

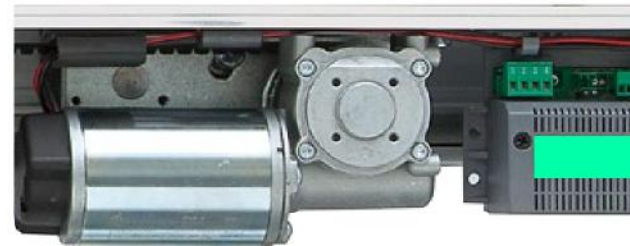
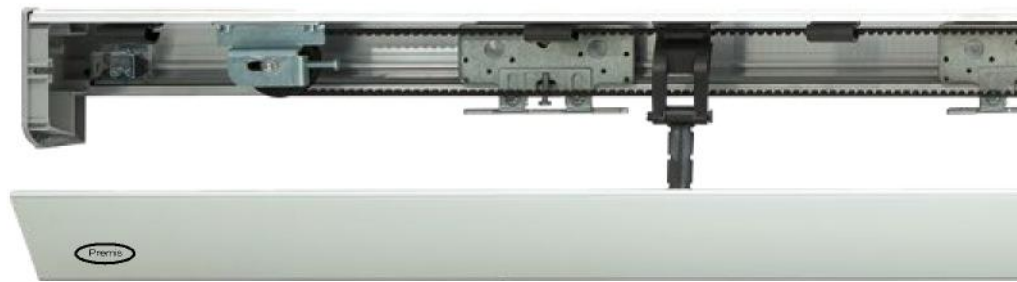
# INSTALLATION MANUAL

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## Premis - Euroslide



*Design with  
Quality in mind*



# Premis - Euroslide

## SLIDING DOOR TYPE

Euroslide SD - 1 Leaf      Euroslide SD - 2 Leaves      Euroslide HD - 1 Leaf      Euroslide HD - 2 Leaves  
Kg. 130                      Kg. 90                      Kg. 200                      Kg. 150

Dimensions 120x150 mm x L. (max. 6500 mm)

## TECHNICAL DATA

MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					

**Number of opening cycles**      Test da 1.000.000 cicli (4.000 cicli / giorno)  
tested 1.000.000 Cycle (4.000 Cycles / day)

**Safety test**      Function available for safety sensors with monitoring system  
Function available to reduce energy consumption in public buildings

**Interlock system**      Configuration for automatic doors with interlock system

**Emergency battery BAT1 (Optional)**      It ensures 10 opening cycles in case of emergency

**Emergency battery BAT2P (Optional)**      It ensures continuous opening cycles for 30 minutes

Product life time, performance and reliability depend on its proper installation, on regular maintenance and following the manufacturer's instructions.

## ANTI-PANIC BREAKOUT SYTEM for emergency exit

**Clear passage**      700 ÷ 1200 mm (1 anta - 1 leaf)      1400 ÷ 2400 mm (2 ante - 2 leaves)  
**Max. Loading capacity**      100 Kg.

## CERTIFICATION AND CONFORMITY:

complies with the following European Directives and Standards:

Machinery Directive 2006/42/EC

Electromagnetic Compatibility Directive 2004/108/EC

Low Voltage Directive 2006/95/EC. Breakout systems for emergency exit (Test Report n. 251018 dated 30th January 2009)

**EUROPEAN STANDARDS:** EN 16005; EN 13849-1; EN 13849 -2; EN 61000-6-2; EN 61000-6-3; EN 60335; DIN 18650-1; DIN 18650-2

# Premis - Euroslide

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MECHANICAL COMPONENTS OF THE PREMIS -T TELESCOPIC DOOR OPERATOR  
ANNEX PREMIS -T TELESCOPIC DOOR OPERATOR"  
(supplied among the documents accompanying the PREMIS -T operator).



# Premis - Euroslide

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## GENERAL SAFETY WARNINGS

Carefully read this instruction manual for the safe installation and operation of the automatic door.

Improper installation and incorrect use of the product could cause serious injury.

Keep the instruction manual for future reference.

The installer must provide all the information about operation and provide the system user with the user manual delivered with the product.

## MEANING OF THE SYMBOLS USED IN THESE INSTRUCTIONS

**DANGER:** Indication of dangerous situations that could cause material damage and personal injury.

**WARNING:** Identifies the procedures that must be understood and followed to prevent product damage or malfunctions.

**NOTE:** To point out and place attention on important information.

## GENERAL SAFETY OBLIGATIONS

The mechanical and electric installation must be performed by specialised personnel in accordance with current directives and regulations. The installer must make sure that the structure to be automated is stable and robust and if necessary, make it this way by making structural modifications.

Keep product and packaging materials out of children's reach, as they might be a source of danger.

Do not let the children stay or play within the range of the door.

This product was designed and built exclusively for the purpose described in this documentation. Any other use that is not specifically indicated could adversely impact the condition of the product and the safety of people.

ADSF UK accepts no responsibility for incorrect product installation and usage, as well as for any damages caused by changes made without its prior consent.

ADSF UK is not responsible for the construction of the fixtures to be motorised.

The IP22 degree of protection requires that the operator is installed only on the inner side of buildings.

This product cannot be installed in explosive environments or atmospheres, or in the presence of flammable gases or fumes.

Make sure that the characteristics of the electric distribution network are compatible with the technical data indicated in this manual and that upstream of the system there is an omnipolar switch with an opening distance of the contacts of at least 3mm and a residual current device.

Connect the ground conduit of the electric system.

The automatic door must be checked, started up and tested by skilled and well-prepared personnel.

A technical dossier must be prepared for every automation as required by the Machine Directive.

Disconnect the power supply before working on the automation and before opening the cover.

Maintenance is of fundamental importance for the proper operation and safety of the automation. Check the efficiency of all parts every six months.

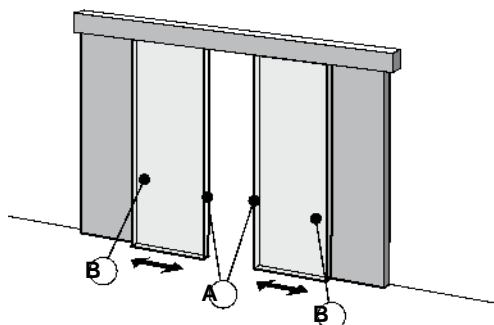
Use only original spare parts for maintenance and when replacing product components.

Cleaning operations must be performed with the power supply disconnected, using a damp cloth. Do not deposit or let water or other liquids penetrate into the Euroslide operator or the accessories that are part of the system.

**It is recommended to take out a maintenance contract.**

The automatic sliding doors must be designed and installed in a way to protect users against the risk and danger of crushing, impact, shearing and conveying between the door and adjacent parts near the door.

The person responsible for starting-up the automation must perform a risk assessment based on the place of installation and the type of users that could use the automatic door.



SLIDING DOOR HAZARDOUS AREA

**A Main closing edge**

**B Secondary closing edge**

Safety during the opening cycle is ensured by the application of one of the following methods:

- Safety distances between the secondary closing edge and the adjacent environment parts.
- Force limitation on the leaf.
- Use of protection devices (sensors) complying with standard EN12978.
- Installation of protections like fixed panels or barriers, preventing people from reaching the dangerous points.
- Low Energy motion.

Safety during the closing cycle is ensured by the application of one of the following methods:

- Use of protection devices (sensors) complying with standard EN12978.
- LOW ENERGY motion.

It is essential to be aware that when most users are old/ill/disabled people and children, any contact of the door with the user is not acceptable.

Any residual risks must be properly signalled.

## 1 - MODEL DESCRIPTION

The Euroslide operator has been designed and manufactured for the control of pedestrian automatic sliding doors. A list of the operator models for Euroslide sliding doors produced by Premis is provided below:

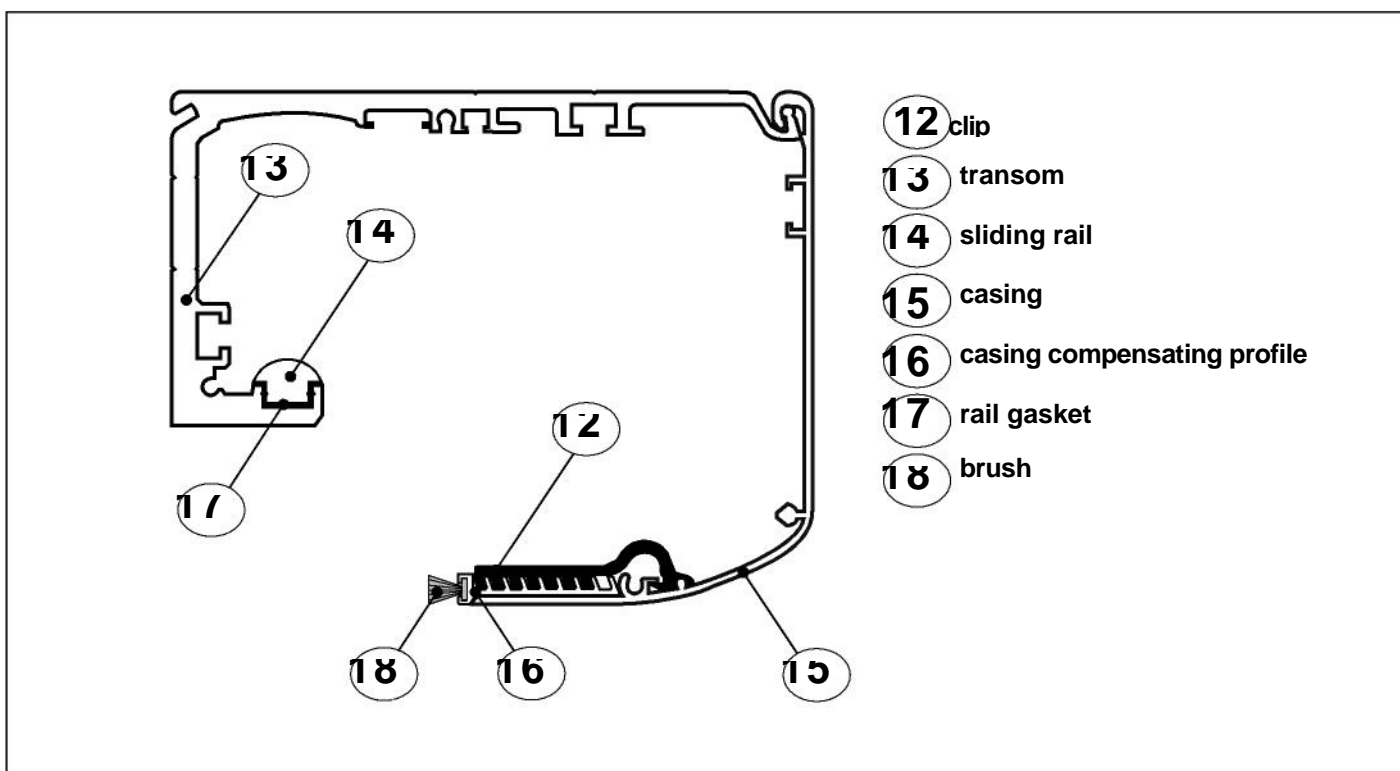
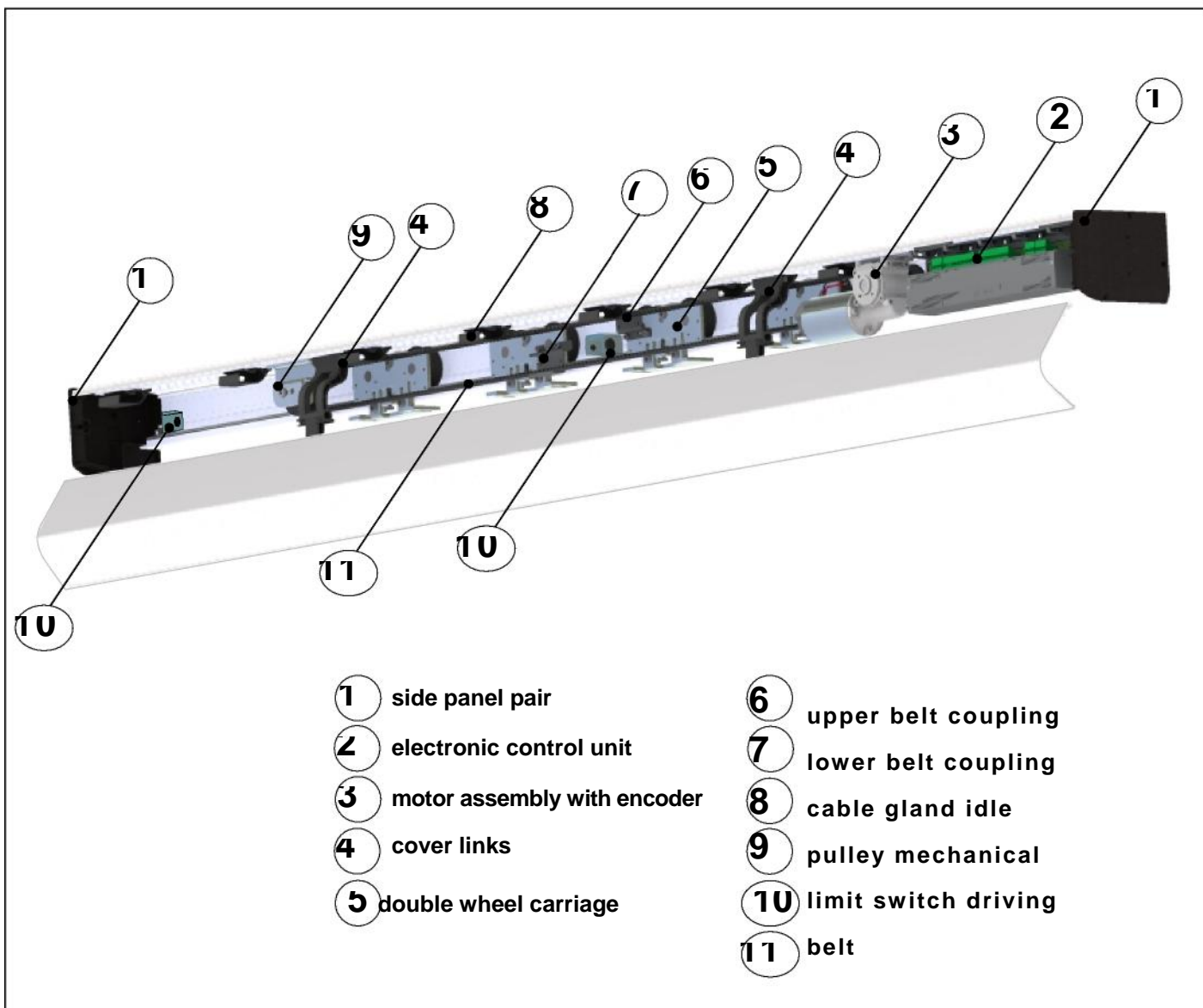
- **Euroslide SD**  
Operator for single leaf (max. weight 130Kg.) or double leaf (max. weight 90Kg./leaf) doors, 40Vdc - 80W motor.
- **Euroslide HD**  
Operator for single leaf (max. weight 200Kg.) or double leaf (max. weight 150Kg./leaf) doors, 40Vdc - 130W motor.
- **Euroslide TS**  
Operator for telescopic doors equipped with 2 movable leaves (max. weight 150Kg./leaf) or 4 movable leaves (max. weight 75Kg./leaf), 40Vdc - 130W motor.

The choice of the model depends on the weight of the leaves and on the type of door to be automated (single- or double-leaf sliding door, or telescopic door equipped with two or four movable leaves).  
All EUROSLIDE operator models can be equipped with the battery for emergency opening and with the electric block.  
The operator must be installed in indoor environments.

## MECHANICAL COMPONENTS OF THE EUROSLIDE SLIDING DOOR OPERATOR

## 2 - TECHNICAL SPECIFICATIONS OF THE EUROSLIDE OPERATOR

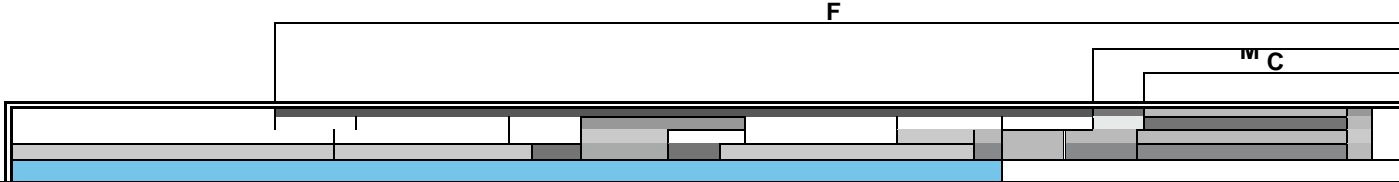
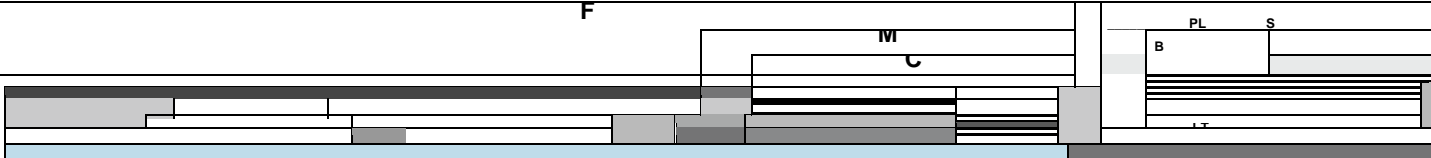
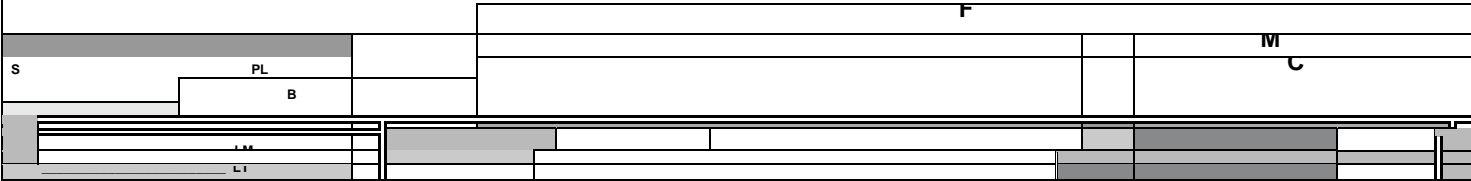
MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					





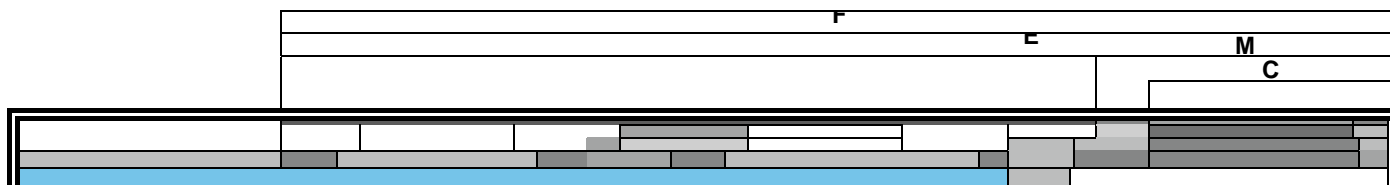
## 4 - TECHNICAL DATA

### COMPONENT ARRANGEMENT

DOUBLE DOOR LEAF WITHOUT ELECTRIC LOCK				PL		
				S	LM	LT
						LM B
						
LT = TRANSOM LENGTH LT = 2PL-B+2S+24	PL = FREE PASSAGE PL = (LT+B)/2-S-6	LM = LEAF	WIDTH LM = (LT-B)/4+S/2-6 F = IDLE PULLEY LT-3/4-75	M = MOTOR 400mm	C = CONTROL UNIT 345mm	LC = BELT LENGTH LC = (F-M+120)x2
SINGLE LEAF RH WITHOUT ELECTRIC LOCK						
						
LT = TRANSOM LENGTH LT = 2PL-B+S+24	PL = FREE PASSAGE PL = (LT+B-S)/2-12	LM = LEAF	WIDTH LM = (LT-B+S)/2-12 F = IDLE PULLEY LT-87	M = MOTOR LT-LM-342	C = CONTROL UNIT LT-LM-397	LC = BELT LENGTH LC = (F-M+120)x2
SINGLE DOOR LH LEAF WITHOUT ELECTRIC LOCK						
						
LT = TRANSOM LENGTH LT = 2PL-B+S+24	PL = FREE PASSAGE PL = (LT+B-S)/2-12	LM = LEAF	WIDTH LM = (LT-B+S)/2-12 F = IDLE PULLEY LT-87	M = MOTOR LT-LM-342	C = CONTROL UNIT LT-LM-397	LC = BELT LENGTH LC = (F-M+120)x2



<b>DOUBLE LEAF DOOR WITH SLIM ELECTRIC LOCK</b>		PL	
		S	LM
		LT	LM
		B	



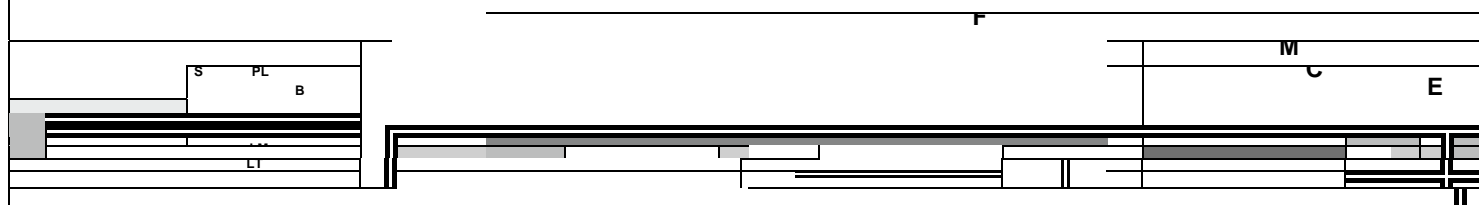
LT = TRANSOM LENGTH $LT = 2PL - B + 2S + 24$	PL = FREE PASSAGE $PL = (LT + B) / 2 - S - 6$	LM = LEAF WIDTH $LM = (LT - B) / 4 + S / 2 - 6$	F = IDLE PULLEY $T * 3 / 4 + 100$
M = MOTOR 400mm	C = CONTROL UNIT 345mm	E = ELECTRIC LOCK LENGTH $T / 2 + 5mm$	LC = BELT $LC = (F - M + 120) \times 2$

### SINGLE DOOR RH LEAF WITH SLIM ELECTRIC LOCK



LT = TRANSOM LENGTH $LT = 2PL - B + S + 24$	PL = FREE PASSAGE $PL = (LT + B - S) / 2 - 12$	LM = LEAF WIDTH $LM = (LT - B + S) / 2 - 12$	F = IDLE PULLEY LT-212
M = MOTOR LT-LM-467	C = CONTROL UNIT LT-LM-522	E = ELECTRIC LOCK LENGTH LT-62	LC = BELT $LC = (F - M + 120) \times 2$

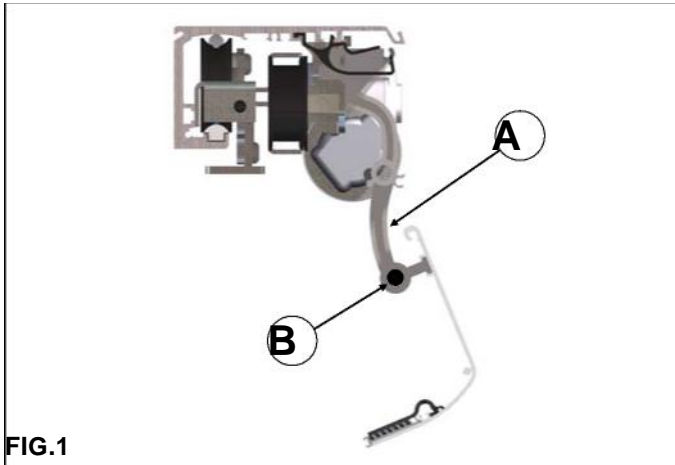
### SINGLE DOOR LH LEAF WITH SLIM ELECTRIC LOCK



LT = TRANSOM LENGTH $LT = 2PL - B + S + 24$	PL = FREE PASSAGE $PL = (LT + B - S) / 2 - 12$	LM = LEAF WIDTH $LM = (LT - B + S) / 2 - 12$	F = IDLE PULLEY LT-87
M = MOTOR LT-LM-342	C = CONTROL UNIT LT-LM-397	E = ELECTRIC LOCK LENGTH 75	LC = BELT $LC = (F - M + 120) \times 2$

## 5 - COVERING CASING

The casing of the EUROSLIDE automated equipment features two support links (A) specially designed to ensure that it remains stable in the opening position.



To fully remove the casing from the automated equipment press the end section of the pins (B) located on the support links and extract them by pulling them from the opposite end (Fig. 1)

Manually support the casing before extracting the pin.

In the lower section of the casing you can install an optional compensating profile allowing to close the gap between the fixture and the casing, thus improving the automated equipment appearance.

To adjust the compensating profile depth you must detach the casing from the automated equipment and put it on a flat surface FIG. 3.

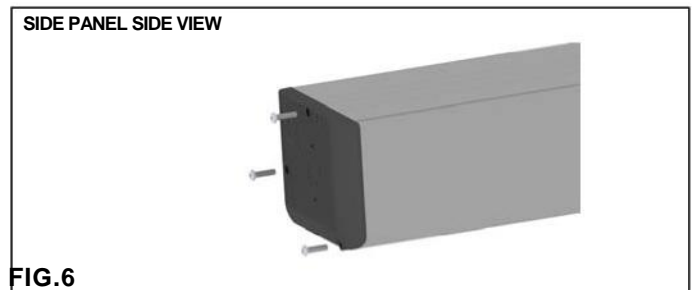
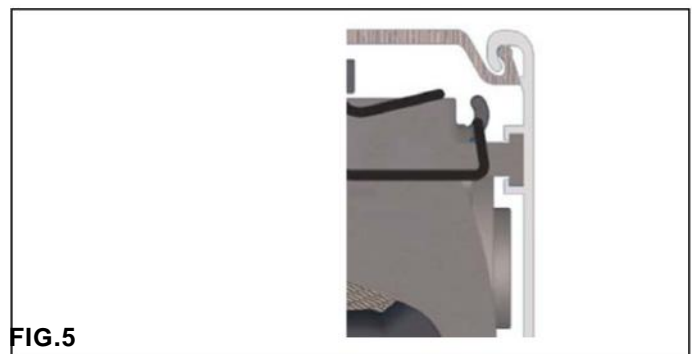
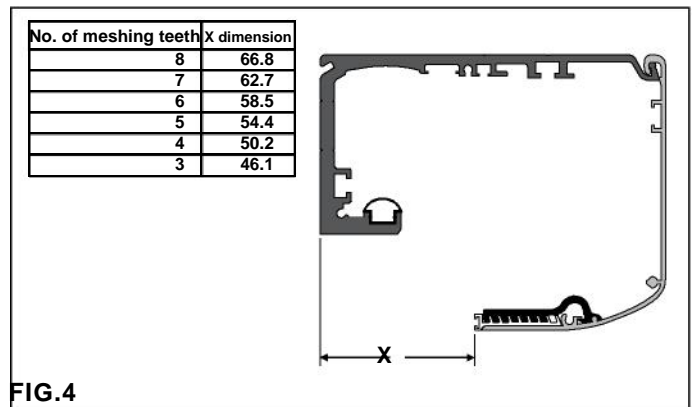
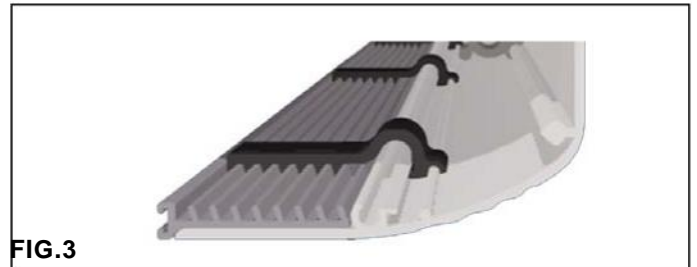
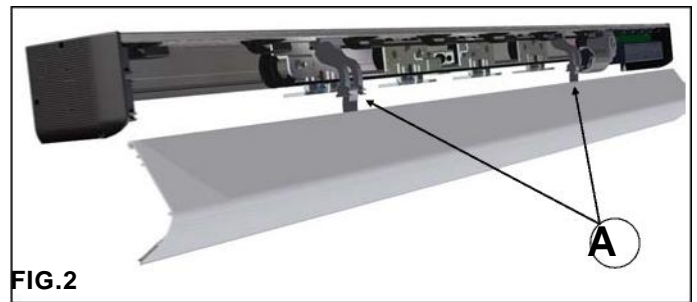
Arrange the compensating profile as shown in the figure and fasten it to the casing by means of the special plastic clips.

Choose the optimum adjustment depth for the compensating profile referring to Fig. 4 then fasten each plastic clip by first inserting the clip teeth into the compensating profile grooves and then pushing the upper section of the clip forward until it connects to the casing.

Put the casing back in place on the automated equipment by reinstalling the support links with the special pins, then close the casing over the automated equipment hooking the upper section to the transom FIG. 5.

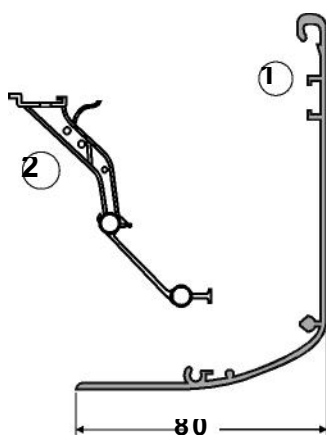
Fasten the casing by means of the screws located on side panels FIG. 6.

If the transom is flush with the wall you can fasten the casing frontally, by drilling a hole at the front seat on the side panel and fastening the casing by means of the special EV-KFCF Kit (optional) FIG. 7.

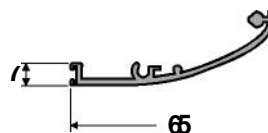


Upon request, the standard covering casing can be replaced with a smaller one, when the fixture section dimensions prevent the standard casing from closing on the transom.

The smaller covering casing includes the slot for brush insertion.



**STANDARD COVERING CASING**

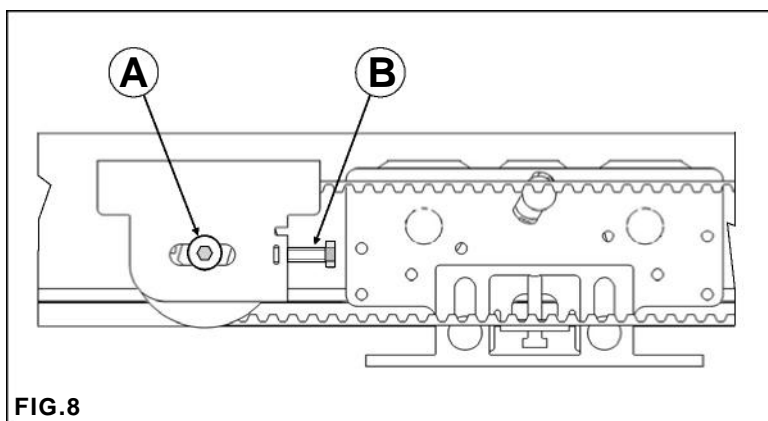


**SMALLER COVERING CASING**

## 6 - ADJUSTMENT OF THE BELT TENSIONING

To adjust belt tensioning slightly loosen the A screw of the idle pulley, then screw in (to increase belt tensioning) or unscrew (to decrease belt tensioning) the hexagonal screw B.

After achieving the optimum driving belt tension fully tighten screw A.



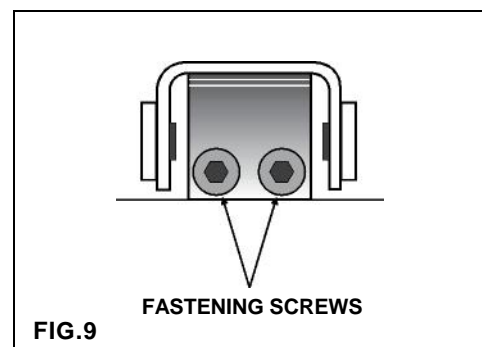
**FIG.8**

## 7 - POSITIONING THE MECHANICAL LIMIT SWITCH

The mechanical limit switch must be adjusted so that both during opening and closing it stops the carriage stroke before the mobile leaf crashes against any other component.

It is also used by the electronic control unit to acquire the leaf limit points. When adjusting the opening mechanical limit switch take into account that except for the set-up manoeuvre and for the first manoeuvre after a power failure, at the end of the opening the mobile leaf stops about 5 mm before coming into contact with the limit switch.

To adjust the limit switch loosen the 3 fastening screws, move the limit switch to the desired position, then fully tighten the 2 screws again.



**FIG.9**

## 8 - ANCHORING THE LEAVES TO THE CARRIAGES AND ADJUSTING THEM

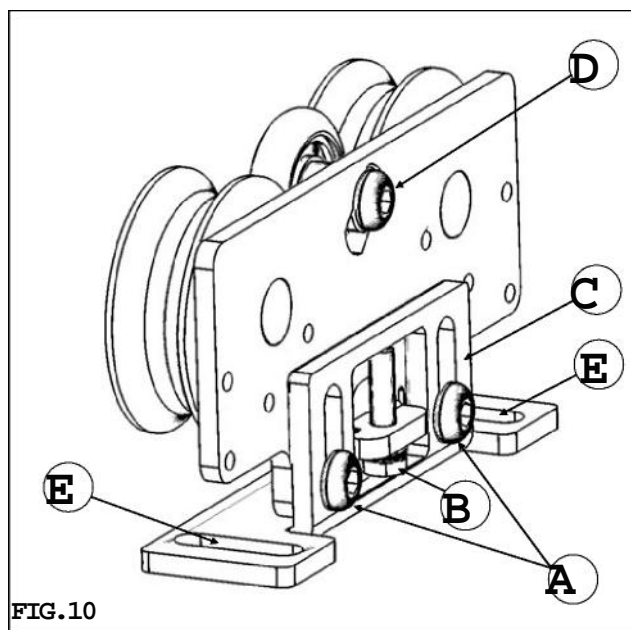


FIG.10

- Undo the two front screws "A" of every carriage and remove the movable part "C"
- Fasten the movable part "C" you removed to the fixture at the distance indicated in figure 11, if an electric lock is not installed, or in figure 12 if the electric lock is installed.
- Now hang the leaf to the automated equipment matching the two carriage parts, then screw the "A" screws into their seats without tightening them.
- Adjust the height of the leaf by means of the control screw "B" and fully tighten the two "A" screws.
- Adjust the leaf horizontally by means of the eyelets "E" provided in the movable part of the carriage.
- To ensure that the automated equipment works properly it is important that the mobile leaf is perpendicular to the transom.
- Adjust the height of the opposing wheel by operating the adjustment screw (D) so that the wheel skims the top inner part of the transom, but without exerting any pressure.
- Then manually move the leaf until it reaches the end of stroke and check that there are no frictions at any point; otherwise adjust the opposing wheel position again.

### DOUBLE DOOR LEAF WITHOUT ELECTRIC LOCK

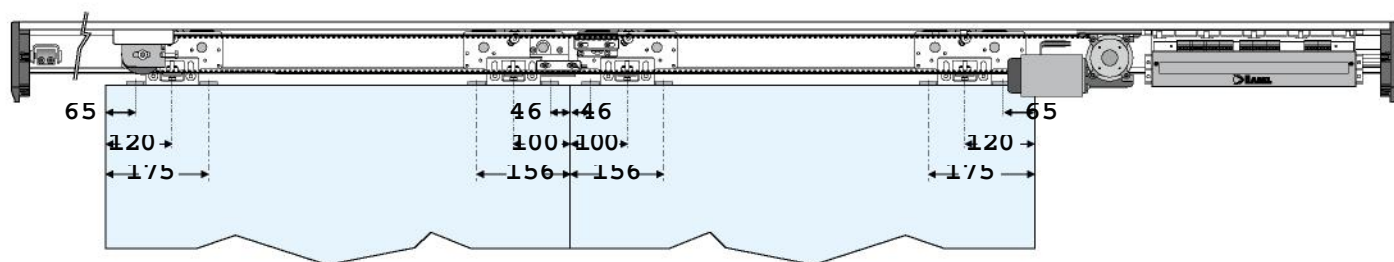


FIG.11

### DOUBLE LEAF DOOR WITH SLIM ELECTRIC LOCK

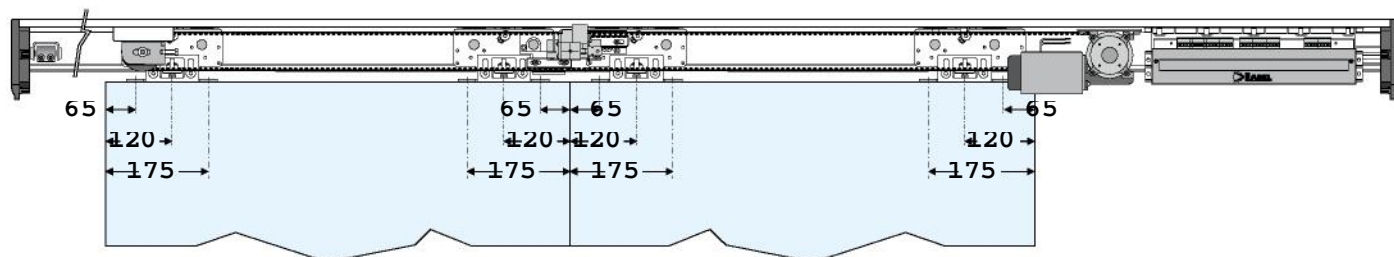
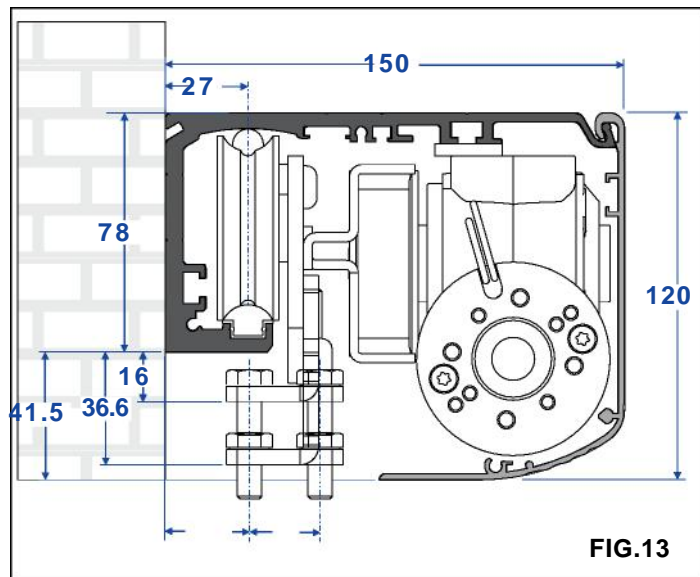


FIG.12

## 9 - INSTALLATION MEASURES



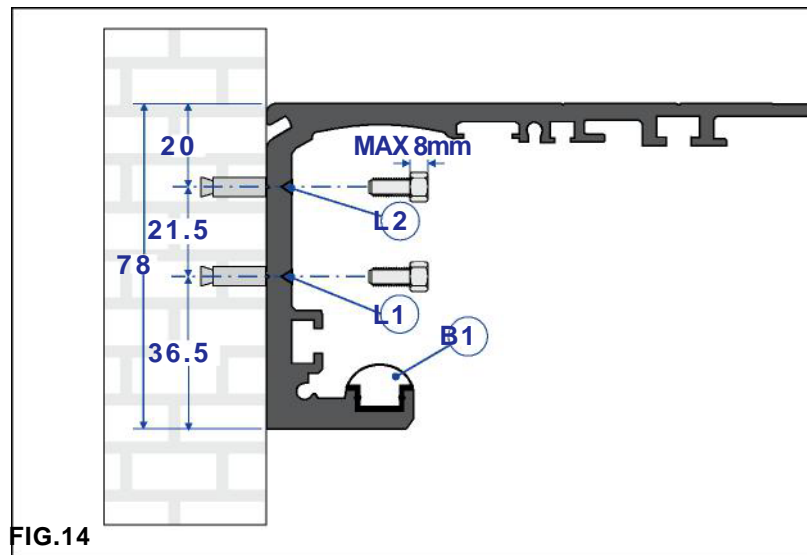
The transom must be fastened to a flat surface solid enough to bear the weight of the leaves to be used. If the wall or the support do not meet these characteristics you will have to provide for a suitable tubular element, as the transom is not self-bearing.

Fasten the transom by means of M6 steel or equivalent anchors.

The fastening points must be distributed alternately between the reference lines on the transom (L1 and L2) every 600mm. The figure shows the fastening dimensions.

When drilling the transom and the wall take care not to damage the sliding rail (B1) as that would affect the operation and the noiselessness of the automated equipment.

After fastening the transom thoroughly, clean the sliding area from any drilling scraps.

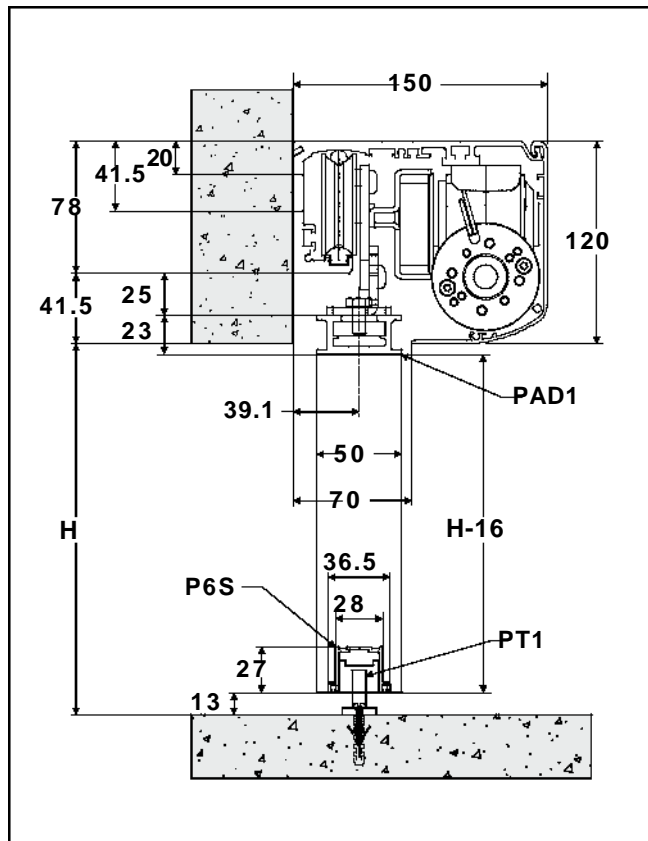


## REQUIRED TOOLS

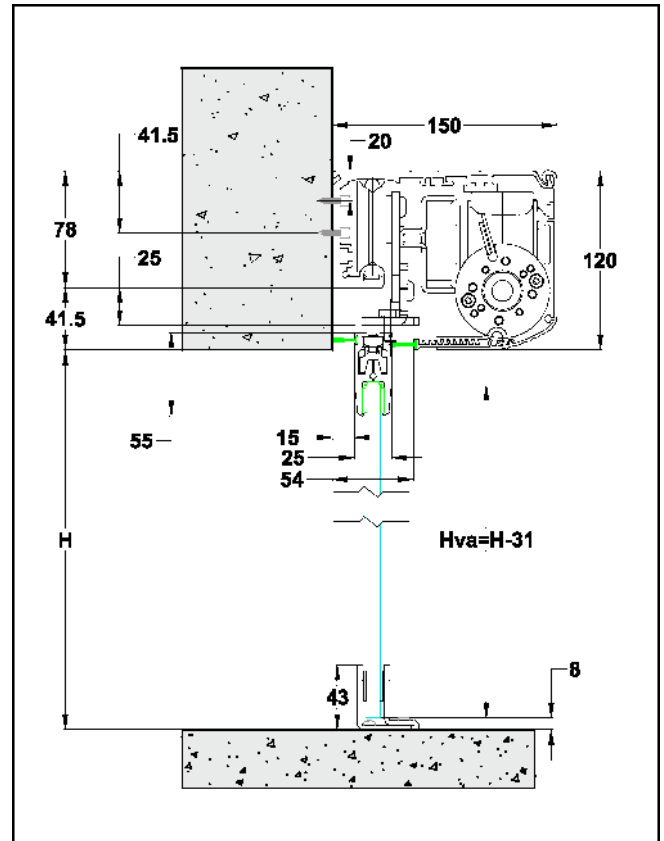
Tape measure, drill, level, thin flat-head screwdriver, medium-sized flat-head screwdriver, cross-head screwdriver, Allen wrenches with handle (sizes 3 - 4 - 5 - 6), flat-head wrench 10.



## SECTION WITH COMMERCIAL PROFILES



## SECTION WITH POLISHED EDGE ATTACHMENT



## DIMENSIONAL TABLE FOR EUROSLIDE SD AND HD OPERATORS

### LEGEND:

PL = FREE PASSAGE  
LT = AUTOMATION LENGTH  
LM = LEAF WIDTH  
H = PASSAGE OPENING HEIGHT

1 MOBILE LEAF			2 MOBILE LEAVES		
Dimensioning mm			Dimensioning mm		
LT= automation length $LT=2PL-B+S+24$	LM= leaf S= overlapping B=contact with $S=50 \ B=10$ $LM= LT-B+S$	PL= nominal passage opening $PL= LT+B-S \ 12$	LT= automation length $LT=2PL-B+2S+24$	LM= leaf S= overlapping B=contact with $S=50 \ B=10$ $LM= LT-B + S \ 6$	PL= nominal passage opening $PL= LT+B-S-6$
	2 -12	2 -		4 2	2
2000	1008	968	2000	516.5	949
2500	1258	1218	2500	641.5	1199
3000	1508	1468	3000	766.5	1449
3500	1758	1718	3500	891.5	1699
4000	2008	1968	4000	1016.5	1949
4500	2258	2218	4500	1141.5	2199
5000	2508	2468	5000	1266.5	2449
5500	2758	2718	5500	1391.5	2699
6000	3008	2968	6000	1516.5	2949
6500	3258	3218	6500	1641.5	3199



## 70 - SLIM ELECTRIC LOCK

### 70.7) GENERAL DESCRIPTION

The EUROSLIDE automation electric lock is available in 3 models, which have different behaviour during a power failure.



#### a) “EV-EBSFSA” FAIL SAFE

In the case of a power failure, mains power supply and emergency battery power, the electric lock will free the leaves, which can then be moved manually.



#### b) “EV-EBSFSE” FAIL SECURE

In the case of a power failure, mains power supply and emergency battery power, the electric lock will keep the leaves blocked.



#### c) BISTABLE “EBSBIS”

In the case of a power failure, mains power supply and emergency battery power, the electric lock will remain in its current position. Therefore, the leaves are free if the electric lock was not activated, or will remain blocked if the electric lock was activated.



Electric locks are supplied in Kit, including coupling brackets and fastening accessories.

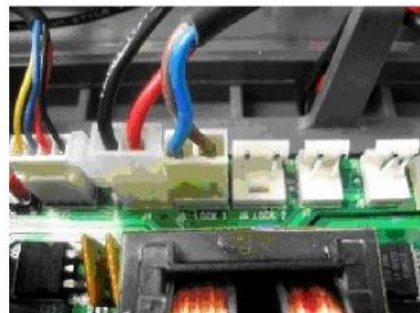
### 70.2) POSITIONING and ELECTRIC CONNECTION



The dimensions for fastening the electric lock on the automation are specified in Paragraph "TECHNICAL DRAWINGS".

The electric lock is fastened to the automation by 2 M6 X 10 screws on M6 nuts, which are located in the special lower slot in the transom.

The sliding carriages must be regulated so that when the leaf is in the closed position, the electric lock lever can hook to the carriage bracket and keep the leaves blocked.



The electric lock kit includes a power supply cable. This cable has two wires on one end that are connected to the electric lock solenoid with the specific terminals. The other end of the cable has a connection that is inserted in the LOCK1 connector on the Euroslide operator electronic control unit.

If the bistable electric lock EV-EBSBIS is installed, there will be a second power cable. One end of it must be connected to the secondary solenoid cables (LOCK2) of the electric lock and the other end must be connected to the LOCK 2 output on the electronic control unit where the connector is located.



### 10.3) MANUAL RELEASE



The Fail Secure EV-EBSFSE and Bistable EV-EBSBIS models are equipped with the EV-EBSSMA manual release system that is used to release the electric lock in the case of a power failure, and therefore move the leaves freely.

#### RELEASE KNOB FASTENING

**A**



For the fastening on both the right and left side of the automation you need to fix the adjustment register on the bottom of the release knob.

**B**



Insert the steel cable inside the flexible sheath as shown in the figure.

**C**



Fix the bottom of the release knob to the side panel, using the supplied self-threading screws, on the two hole existing in the side panel.

**D**



Apply the adhesive label as shown in the figure, taking the four black bands on the label as a reference, which must be positioned in correspondence of the 4 cardinal points.  
Insert the steel cable terminal into the release knob as shown in the figure and fasten the knob to the base with the special screw.

**E**



Apply the screw cover label on the fastening screw.  
By moving the release knob to the UNRELEASED position, only the orange part of the label must be seen with the drawn black arrows.

**F**

Insert the flexible sheath into the special hole on the side panel.  
Use the whole which is furthest from the register, to ensure that the sheath retains a wide enough bending radius.

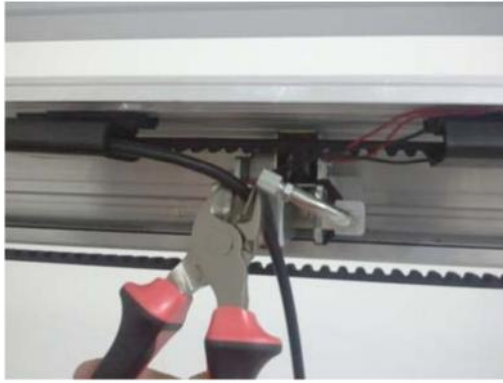


**LEFT SIDE PANEL**



**RIGHT SIDE PANEL**

G



Insert the sheath using the fairleads until reaching the electric lock.  
Cut off the excess sheath.

H



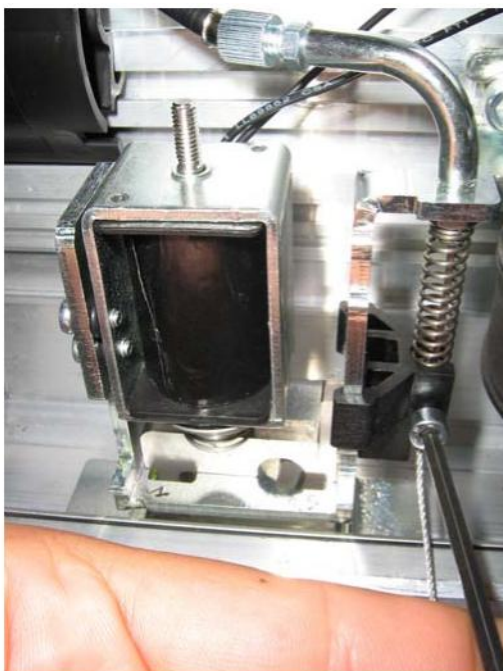
Insert the steel cable into the release knob and the sheath until reaching the electric lock.

I



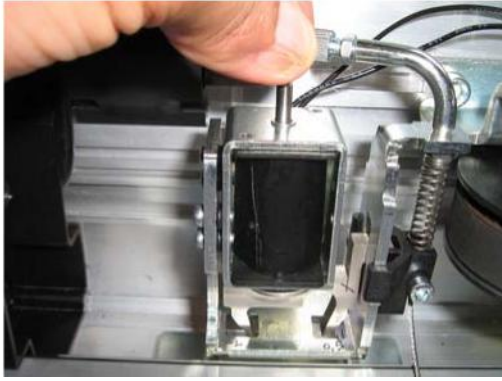
Fit the sheath stop on the tip of the cut sheath.

L



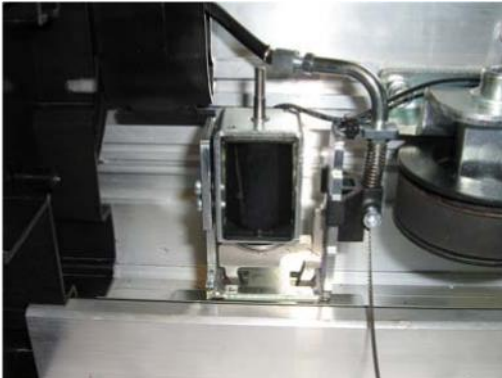
Insert the compression spring and insert the metal cable inside the special release anchor, then lock it with the screw clamp.  
Adjust the cable tension so to give the spring a light pre-load.

M



Check that the manual release works, when the knob is in the locked position, the electric lock must work normally.

N



When the knob is in the released position, the electric lock must remain open and free the leaves.

O



Cut the exceeding steel cable from the release anchor.

**NOTE:**

In case of FAIL SECURE electric lock, by releasing the release, the electric lock will close.

In case of a bistable electric lock, by releasing the release, it will open.

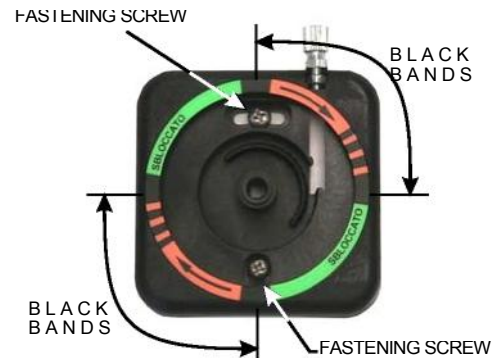
In case it is necessary to manually close the door with a bistable electric lock, it will be sufficient to lift the core of the secondary solenoid with a screwdriver.



## 10.4) INSTALLATION OF THE MANUAL RELEASE ON THE WALL



Identify the fastening point on the wall, taking into account that the standard cable sheath is 3 metre long and that it must reach the electric lock.



Drill the wall and fasten the base of the release mechanism using the fastening screws. Apply the adhesive label as shown in the figure, taking the four black bands on the label as a reference, which must be positioned in correspondence of the 4 cardinal points. Insert the adjustment register using 2 nuts, one in the plastic slot and the other outside of it.



CABLE BLOCK CABLE TERMINAL

Pass the release cable in the slit in the base and then inside the adjustment register as shown in the figure. Then position the cable terminal on the release knob cable block (see figure).



LOWER SCREW CABLE TERMINAL

Now, insert the release knob on the base of the mechanism, being careful to keep the cable terminal in the seat of the cable block and the knob in the correct position. When inserting the knob, the cable terminal must be in the position just beyond the lower fastening screw, in a clockwise direction.



Once the knob is inserted, fasten the closing screw, insert the sheath and turn the knob to the **RELEASED** position. In this position, only the orange part of the label must be seen with the drawn black arrows.

Make sure that the system is operating by turning the knob clockwise and keeping the cable taut with your hand.

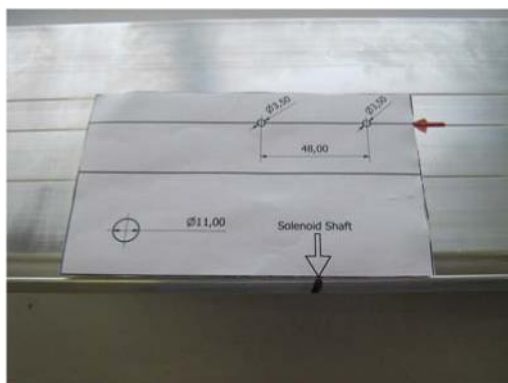
### WARNING!:

**THE KNOB TURNS MAX 45-50 DEGREES AND AT THE END, THERE ARE CLICKS IN ORDER TO MAINTAIN THE POSITION AFTER THE RELEASE.**

Apply the provided screw cover label as shown in the figure and return the knob to the **RELEASED** position.

## 10.5) INSTALLATION OF THE MANUAL RELEASE OVER THE TRANSOM

A



Put the drilling template into place, aligning it with the reference marks at the top of the EUROSLIDE transom. Align the template with the centre of the solenoid axis.

B



Drill a hole into the transom as indicated on the template.

C



Fix the release knob bottom using the supplied screws. Insert the 250mm sheath.

D



Apply the adhesive label as shown in the figure, taking the four black bands on the label as a reference, which must be positioned in correspondence of the 4 cardinal points. Insert the steel cable terminal into the release knob as shown in the figure and fasten the knob to the base with the special screw.

**E**



**SCREW  
COVER  
LABEL**

Apply the screw cover label on the fastening screw.  
By moving the release knob to the RELEASED position, only the orange part of the label must be seen with the drawn black arrows.

**F**



Insert the compression spring and insert the metal cable inside the special release anchor, then lock it with the screw clamp. Adjust the cable tension so to give the spring a light pre-load.

**G**



Check that the manual release works, when the knob is in the locked position, the electric lock must work normally.

When the knob is in the released position, the electric lock must remain open and free the leaves.

**H**

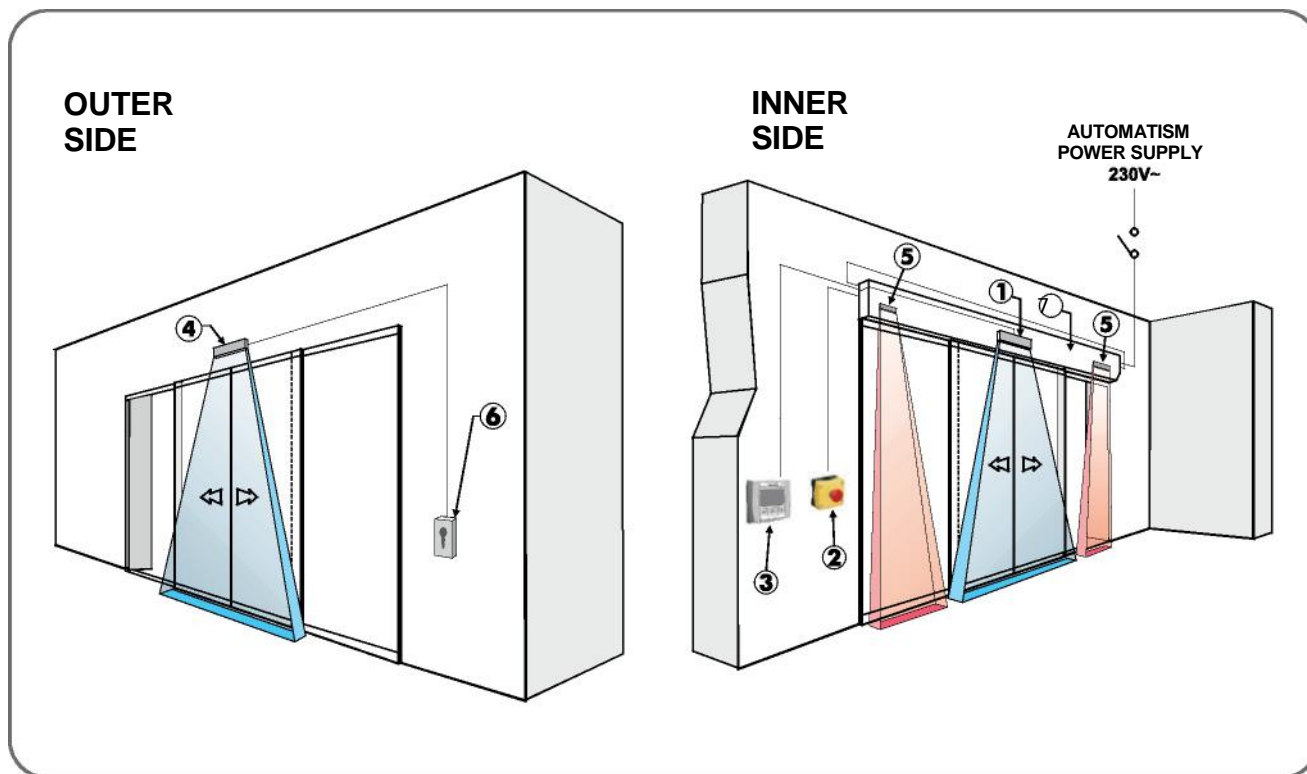


Cut the exceeding steel cable from the release anchor.



# ELECTRONIC SECTION

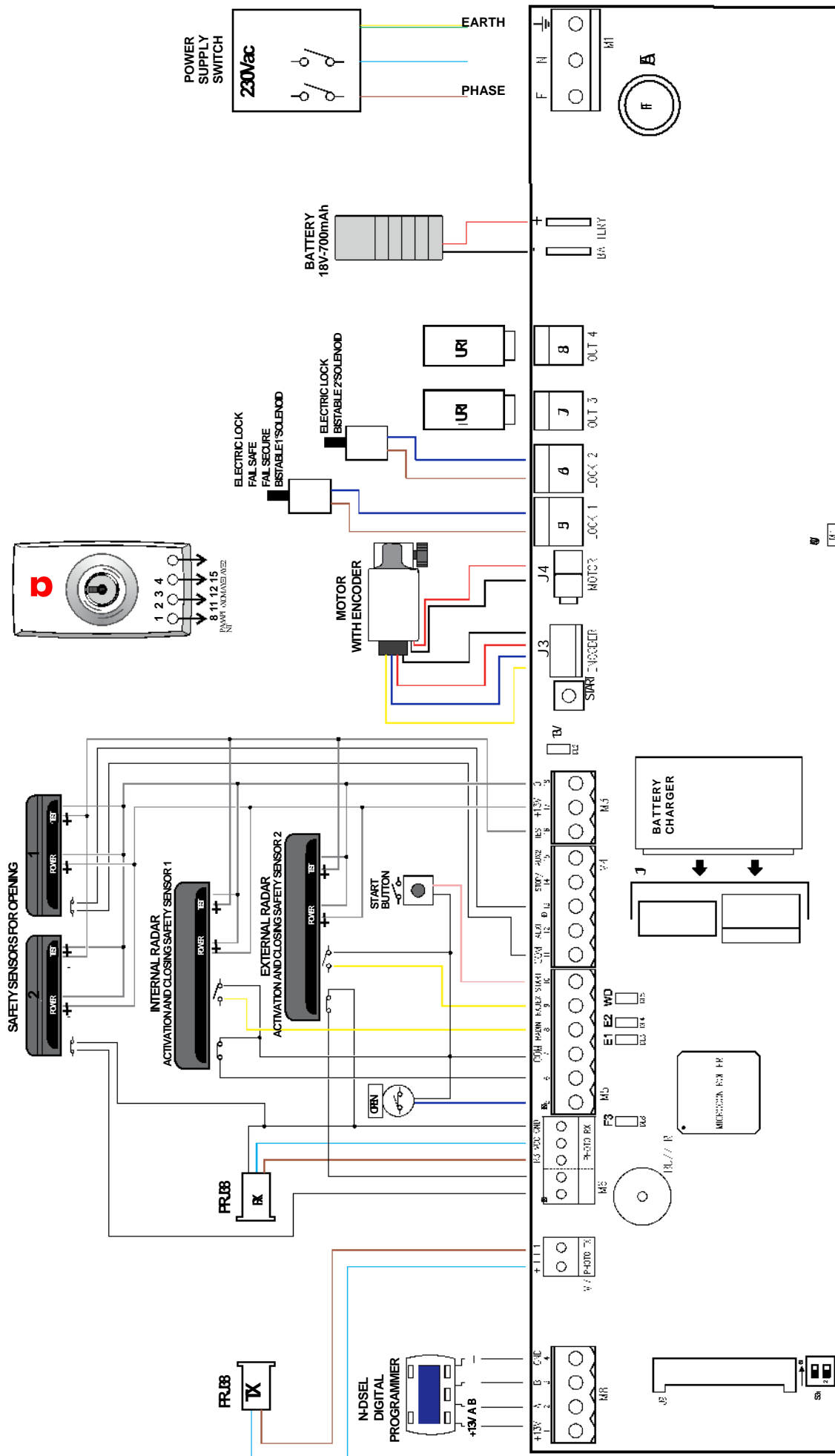
## 77) ELECTRIC ARRANGEMENTS



DESCRIPTION OF ACCESSORIES	CORRESPONDING CABLE
① Internal movement and presence sensor for door opening and safety during closing	1 CABLE 8 x 0.5 mm
② Emergency opening button	1 CABLE 2 x 0.5 mm
③ Digital programmer	1 CABLE 4 x 0.33 mm (with twisted pairs for RS485)
④ External movement and presence sensor for door opening and safety during closing	1 CABLE 8 x 0.5 mm
⑤ Opening safety sensor	1 CABLE 6 x 0.5 mm
⑥ Key button	1 CABLE 2 x 0.5 mm
⑦ EUROSLIDE operator	1 CABLE 3 x 1.5 (F-N-T)

# ELECTRICAL CONNECTIONS - STANDARD DIAGRAM -

**LOGIC2  
16005**



## PART DESCRIPTION

### LED

**DL1 (40V)** = it displays the presence of 40V voltage at the switching power supply.

**DL2 (13V)** = it displays the presence of the 13V output voltage at terminals 17-18.

**DL3 (E1) - DL4 (E2)** = they display the signals coming from the encoder sensor.

**DI5 (WD)** = it displays the proper operation of the main micro-controller MP1 by blinking very fast; if the led is off or it blinks slowly it indicates an electronic board fault.

**DL8 (F3)** = it displays the status of photocell FT1/FR3 mod. PRJ38.

**Buzzer** = noise signaller.

**MP1** = microcontroller A.

**PS1** = START button. It performs door opening.

**S3** = dip switch for operator number selection

1 OFF/2 OFF = OPERATOR "1"

1 ON/2 OFF = OPERATOR "2" (only in case a single S12 digital programmer is used to control two automatic doors)

- **CONNECTOR J1:** Battery charger board connection.
- **CONNECTOR J3:** Encoder wiring connection.
- **CONNECTOR J4:** Motor wiring connection.
- **CONNECTOR J5:** Electric lock 1 wiring connection (LOCK1).
- **CONNECTOR J6:** Electric lock 2 wiring connection (LOCK2).
- **CONNECTOR J7:** Optional UR1 module connection (OUT3).
- **CONNECTOR J8:** Optional UR1 module connection (OUT4).

## ELECTRIC CONNECTION DESCRIPTION

On the plastic side panels of the EUROSIDE operator (part 1 in figure in para. 3) there is a hole that must be broken open, through which the electric cables must be inserted.

Along the upper part of the aluminium transom, there are various fairleads (part 8 in the figure in para. 3) inside of which the cables should be run.

The installer must prepare suitable fairleads on the side panel of the operator control unit for the passage of the cables and ensure wire stability inside the operator control unit prior to the start-up of the automatic door, in order to prevent any contact between the electric cables and the moving parts of the automatism.

### • TERMINAL BOARD M1 (F-N-GROUND)

230Vac 50-60Hz mains supply;

phase at terminal F, neutral at terminal N, ground connection at terminal

Ground the operator by connecting the ground cable from the line to the Faston connector on the aluminium transom, connect the second ground Faston on the transom to the ground terminal on the electronic control unit.

The line is protected by 5A fuse F1.

On the power supply mains, foresee an omni-polar switch/selector with contact opening distance at least of 3 mm.

The power supply line must be protected against short circuit and dispersion to ground.

Separate the 230Vac power supply line from the very-low voltage line control unit relative to control and safety accessories.

### • TERMINAL BOARD M3 (Power supply of external accessories)

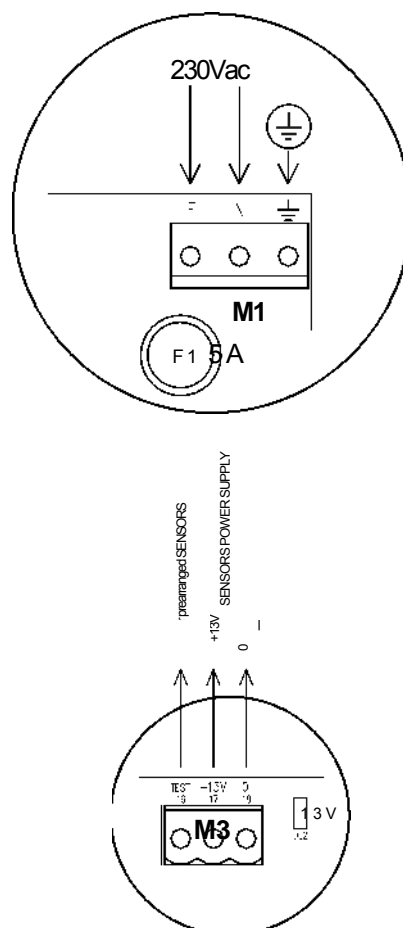
13Vdc output for power supply to accessories (radars and sensors).  
Max. load 500mA.

**17** = Positive terminal +13V.

**18** = Negative terminal 0.

The presence of the output voltage is displayed by the DL2 led.

**16** = TEST terminal for safety sensors prearranged with test function.



## • TERMINAL BOARD M4 (Inputs 11, 12, 13, 14, 15)

**11** = Input COMMON.

**12** = auxiliary AUX 1. N.O. contact serving for three functions depending on the configuration set on the control board:

- Using the mechanical key selector EV-MSEL for the selection of the door work program (F01=ON) connect terminal 12 to terminal 3 of the mechanical selector.
- If S12 digital programmer is present, the activation of the AUX 1 input causes the door to close and the Night lock function to activate, by-passing S12 digital programmer setting.
- If INTERLOCK operation is activated between two Premis automatic doors (F26=ON), the activation of the AUX1 input by-passes the interlock function (see the "Interlock system" paragraph).

**13** = input of the Safety side sensor for opening E.O.1; N.C. contact.

The operation of safety sensor for opening E.O.1 must be enabled by S12 digital programmer (function F13=ON).

The door opens at slow speed if the sensor detects an obstacle during opening (if F19= OFF).

The door stops if the sensor detects an obstacle during opening (if F19= ON).

**14** = STOP/INTERLOCK input. Input contact logic state can be selected as N.O. or N.C. by S12 digital programmer (function F21).

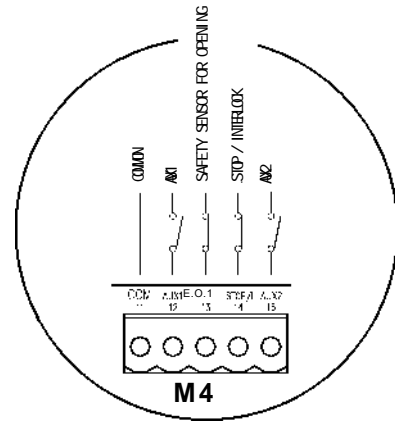
The input can be used for three different purposes, according to the configuration set on the control unit:

- Stop command to stop door motion.
- detection of the interlock signal to prevent the door from opening when the interlock function is enabled (function F26=ON). In this case the input must be configured as N.C..
- connection of a door closing device allowing to forcibly close the door when function F22 is set to ON. In this case the input must be configured as N.C..

**15** = auxiliary AUX 2. N.O. Contact serving for two functions depending on the configuration set on the control board:

- Using the mechanical key selector EV-MSEL for the selection of the door work program (F01=ON) connect terminal 15 to terminal 4 of the mechanical selector.

- It can be used as a door opening command in all automatic door work programs.



## • TERMINAL BOARD M5 (Inputs 5, 6, 7, 8, 9, 10)

**5** = input OPEN. Input contact logic state can be selected as N.O. or N.C. by S12 digital programmer (function F20).

The activation allows opening the door of all operating programs.

**6** = input of the safety side SENSOR for closing E.C.1; N.C. contact.

The operation of safety sensor for closing must be enabled by S12 digital programmer (function F11=ON).

If during closing it detects the presence of an obstacle the door stops and reopens.

If during pause it detects the presence of an obstacle the door remains open.

**7** = Input COMMON.

**8** = INTERNAL RADAR input. N.O. contact.

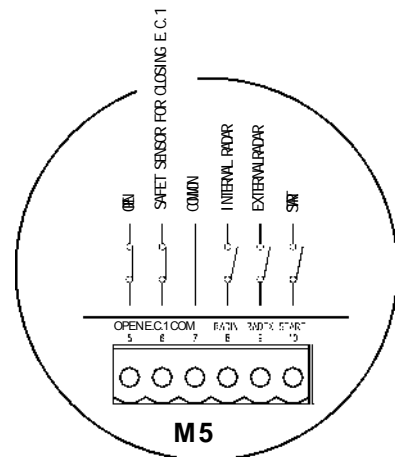
Activation causes the door to open. It is not active when the program selector is set to "Incoming only" or to "Night lock".

**9** = EXTERNAL RADAR input. N.O. contact.

Activation causes the door to open. It is not active when the program selector is set to "Outgoing only" or to "Night lock".

**10** = START input. N.O. contact.

Activation causes the door to open. It is not active when the program selector is set to "Night lock".



- **TERMINAL BOARD M6**

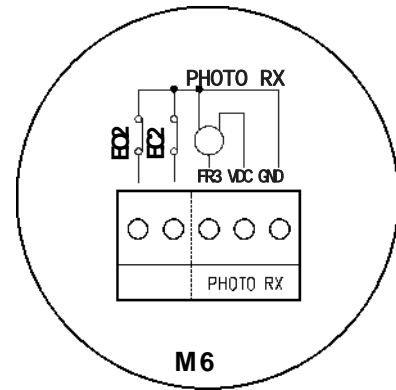
**E.O.2** = Input of safety sensor for opening E.O.2, N.C. contact.  
 The operation of safety sensor for opening E.O.2 must be enabled by N-DSEL digital programmer (function F14=ON).  
 The door opens at slow speed if the sensor detects an obstacle during opening (function F19= OFF).  
 The door stops if the sensor detects an obstacle during opening (function F19= ON).

**E.C.2** = Input of safety sensor for closing E.C.2, N.C. contact.  
 The operation of safety sensor for closing E.C.2 must be enabled by N-DSEL digital programmer (function F12=ON).  
 If during closing, sensor detects the presence of an obstacle the door stops and reopens.  
 If during pause, sensor detects the presence of an obstacle the door remains open.

**FR3** = PRJ38 PHOTOCELL receiving capsule signal (brown cable).

**VCC** = power supply positive for the receiving capsule (blue cable).

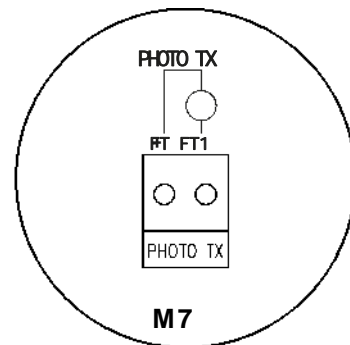
**GND** = power supply negative for the receiving capsule (black cable).



- **TERMINAL BOARD M7**

**+FT** = power supply positive of the transmitting capsule (blue cable).

**Ft1** = PRJ38 PHOTOCELL transmitting capsule signal (brown cable).



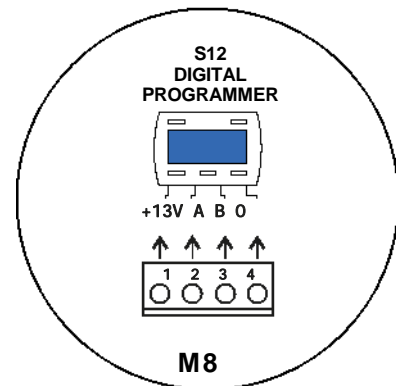
- **TERMINAL BOARD M8 (S12 digital programmer)**

**1** = Power supply positive +13V

**2** = Communication signal A

**3** = Communication signal B

**4** = Power supply negative GND



## PRJ38 PHOTOCELLS

The pair of PRJ38 Premis photocells consists of a transmitting and a receiving capsule.

The transmitting capsule, besides, is equipped with a 2-wire cable bearing the PRJ38-TX mark, while the receiving capsule has a 3-wire cable bearing the PRJ38-RX mark.

Drill an 11.5 mm hole to fasten the capsules into the fixture.

To avoid any interference due to exposure to direct sunlight we recommend that you install the receiving capsules on the side that is best protected against



RECEIVING



TRANSMITTING

### Photocell operation mode

The PRJ38 photocell is used as a STOP sensor in the panic exit breakout system.

To ensure proper operation the photocells must be perfectly aligned and at the same height.

The PRJ38 photocell must be enabled by the S12 digital programmer (function F18=ON).

The activation of the PRJ38 photocell stops the door motion and the control unit buzzer beeps 4 times.

Interrupting the photocell infrared beam will cause the F3 led to light up (DL8).

### 13) S12 DIGITAL PROGRAMMER – SCOPE and CONNECTIONS

The S12 digital programmer is the essential tool for the installer, to configure the automatic door operation and perform the set-up and function/parameter setting operations, to carry out the system diagnostics and to access the event memory containing information about the automatism and its operation.

Access to the programming menu is protected by a technical safety password, to ensure that only specialised and authorised personnel can perform any operation on the automatism.



S12 digital programmer can also be used by the final user, but only for choosing the operating mode of automatic door; the user can also select the preferred language and set up a user password to prevent the use of digital programmer by unauthorized persons.

Connect the S12 digital programmer to the control unit of the EUROSLIDE operator, using a 0.33mm 4-wire cable with twisted pairs for RS485 applications.

Terminal +13V = connect to terminal 1 of the EUROSLIDE control unit (+13V);

Terminal - = connect to terminal 4 of the EUROSLIDE control unit (- GND); Terminal A = connect to terminal 2 of the EUROSLIDE control unit

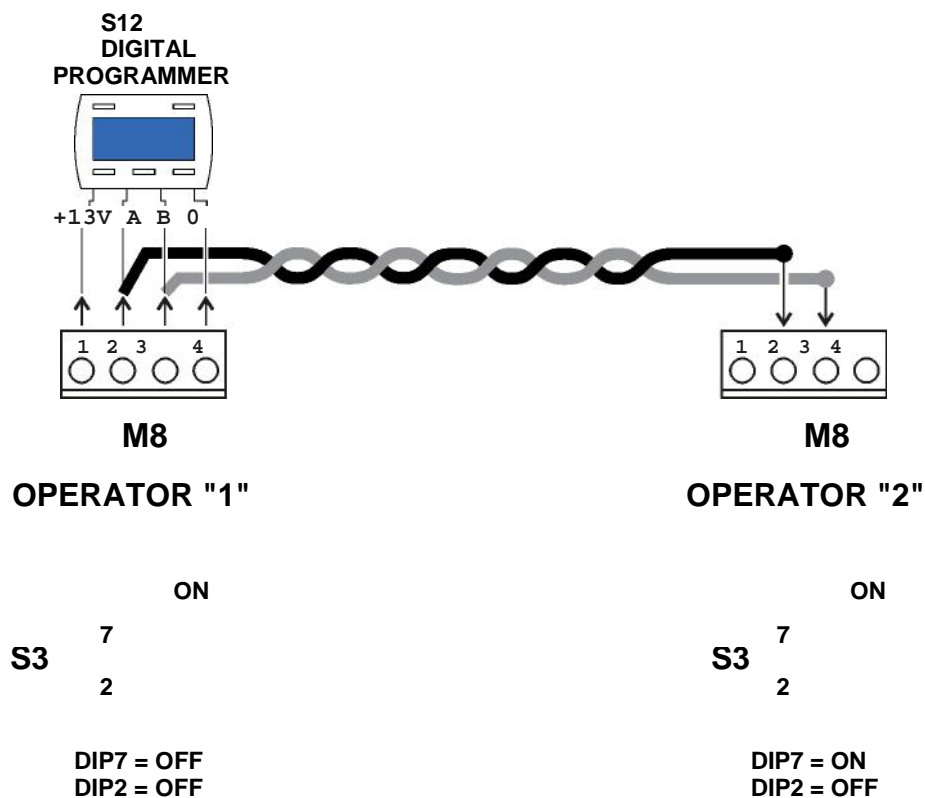
(A); Terminal B = connect to terminal 3 of the EUROSLIDE control unit

(B);

**For each subject-matter described in the following paragraphs the use of digital programmer (hereinafter S12) is explained in the specific case.**

A single S12 digital programmer, connected to two EUROSLIDE operators, can manage the operation of two independent automatic doors.

Connect in parallel the A - B signals of the two operators (see the diagram below).



## 14) COMMISSIONING OF AUTOMATED DEVICE (INITIAL SET-UP)

After performing the mechanical installation of the automatic door and the electrical connections to the electronic control unit, you can start up the automated equipment.

### □ Preliminary checks

- check the cleanliness of the sliding rail and of the ground guide;
- check the belt's tension;
- check that leaves are properly aligned and fastened to chariots;
- check that the position of the mechanical limit switch is correct;
- check that leaves move smoothly and frictionless;
- check proper operation of the electric lock, if installed, and of the relevant manual release.

SET-UP operation is compulsory to allow the operator electronic control unit to acquire stroke points.

During the stroke learning cycle there must be no obstacles in the leaf movement area.

If the S12 digital programmer is used to manage a single EUROSLIDE automatic door, dips 1 and 2 of the S3 dip-switch on the LOGIC2 operator control unit must be set to OFF.

If the S12 digital programmer is used to manage two EUROSLIDE automatic doors, dips 1 and 2 of the S3 dip-switch on the LOGIC2 control unit of operator 1 must be set to OFF, while on the LOGIC2 control unit of operator 2 dip 1 must be set to ON and dip 2 to OFF (see Table).



**Before powering the system set the S3 dip-switch of the LOGIC2 logic board as specified in the table**

	S3 DIP 1	S3 DIP 2
LOGIC2 OPERATOR 1	OFF	OFF
LOGIC2 OPERATOR 2	ON	OFF

Follow chapter 14.1 only if S12digital programmer is new and powered for the first time.  
Follow chapter 14.2 if digital programmer has already been used before.

### 14.1) FIRST START OF S12 DIGITAL PROGRAMMER

Power the EUROSLIDE operator by mains voltage, the control unit buzzer emits some quick, short beeps.


- Language selection is shown on the display of S12 digital programmer;
- use the **F2** and  buttons to move arrow to the desired language.
- Press EXIT  button to exit "Language" section and enter "Serial communication setups" section, as described under para. 14.3.



### 14.2) USE OF S12 DIGITAL PROGRAMMER

Power the EUROSLIDE operator by mains voltage, the control unit buzzer emits some quick, short beeps.

The display signals the lack of communication between S12 and operator control units since the serial code of LOGIC2 logic board is not stored on N-DSEL.

Press  button for about 5 seconds to enter the general programming menu.

- The F1 button allows to move forward among the menu symbols.
- Select RS485 symbol.
- Give a quick pulse to ENTER to enter the "Serial communication setups" section, as described under para. 14.3.



### 14.3) SERIAL COMMUNICATION SETTINGS

S12 programmer automatically detects the presence of operator electronic control unit (fig. A) and stores the board serial code LOGIC2 (fig. B).

When acquisition of serial code is completed, the display must show the closed padlock symbol on number 1 and the open padlock symbol on the ?, if a single EUROSLIDE operator is connected (fig. C),

If the S12 digital programmer is connected to two EUROSLIDE operators to manage two automatic doors, instead, once serial code acquisition is completed the closed padlock symbol must be displayed on number 1 and on number 2 (fig. D)


Press EXIT  button to exit "Serial communication setups" section and enter the general programming menu.

fig.A



fig.B



fig.C



fig.D





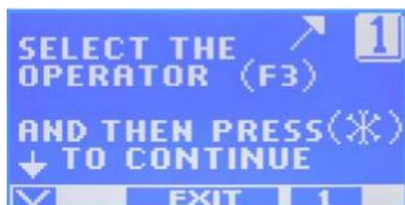
## 14.4) INITIAL SET-UP

From general programming menu, F1 button allows moving forward among menu symbols. Select INITIAL SET-UP symbol.

Give a quick pulse to ENTER button to enter the "Initial setup" section.



If the S12 digital programmer is connected to two automatic doors, select by pressing the F3 button once whether the initial set-up concerns the operator of door 1, or that of door 2.



OPERATOR 1



OPERATOR 2

The initial set-up must be carried out separately on each operator.

Type the 10-character technical password for access to set-up configuration.

The default technical password supplied by Premis to the S12 digital programmer is "A-A-A-A-A-A-A-A-A-A".

Press the button in correspondence with letter A, asterisk appears on the first letter case on the display; repeat this operation for all the other characters required.

If the password typed is correct, you enter the section dedicated to set-up configuration; if the password typed is wrong, you return to general programming menu.



**We recommend that you modify the default technical password. To this purpose please refer to the "Password management" paragraph.**

**In this section, F1 / F3 buttons allows selecting the function OFF / ON status, while button allows moving to the following function. Press F2 button to return to previous function.**

Select the operator model:

OFF = EUROSILIDE SD

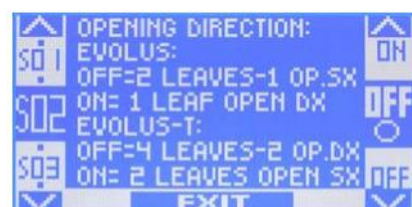
ON = EUROSILIDE HD or EUROSILIDE TS



Select the motion direction:

EUROSILIDE sliding door: OFF = 2 leaves or 1 leaf opening to the left.  
ON = 1 leaf opening to the right.

EUROSILIDE telescopic door: OFF = 4 movable leaves or 2 movable leaves opening to the right  
ON = 2 movable leaves opening to the left.

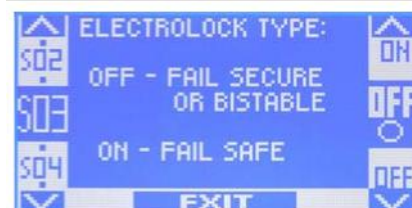


Select the model of the installed electric lock.

OFF = FAIL SECURE or bistable model

ON = FAIL SAFE mode

If the operator is not equipped with an electric lock keep setting to OFF.



If S03 function is set to OFF only

Only select ON if a double electric lock for chemist's function is installed in the operator.

Please refer to the "CHEMIST'S FUNCTION" paragraph.

If no chemist's electric lock is installed keep setting to OFF.



Select ON only if a safety sensor has been installed on closing on input E.C.1.



Select ON only if a safety sensor has been installed on closing on input E.C.2.



Select ON only if a safety sensor has been installed on opening on input E.O.1.



Select ON only if a safety sensor has been installed on opening on input E.O.2.



If S05 and/or S06 functions are set to ON only  
Select ON if the monitored closing safety sensors have been installed (as required by standard EN 16005) to activate sensor test at the beginning of each cycle; select OFF only if the closing safety sensors have not been set up to be monitored.  
For more information, refer to "Safety sensors" paragraph.



If S07 and/or S08 functions are set to ON only  
Select ON if the monitored opening safety sensors have been installed (as required by standard EN 16005) to activate sensor test at the beginning of each cycle; select OFF only if the opening safety sensors have not been set up to be monitored.  
For more information, refer to "Safety sensors" paragraph.



If S09 and/or S10 functions are set to ON only.  
Select test logic status, used by operator control unit to monitor safety sensors.  
The set-up depends on the characteristics of sensor installed.  
If the type of sensors in use is "AXIS-T" or OA-PRESENCE-T, select OFF.  
For more information, refer to "Safety sensors" paragraph.




Contact configuration on OPEN input between terminals 5-7 of LOGIC2 board.  
Select ON with normally open contact or when the OPEN input is not used.  
Select OFF when using a device with normally closed contact.



Configuring the contact on the STOP/INTERLOCK input.  
Select ON with normally open contact or when no device is connected to the input.  
Select OFF when using a device with normally closed contact.



The operator is ready for the set-up cycle.  
Press the  button (OK)  
The control unit buzzer emits 4 beeps and starts the set-up cycle.  
The door starts closing until it is fully closed, then it performs an opening/closing cycle at slow speed, which it will necessarily have to complete. At the end of the cycle a prolonged BEEP signal



that set-up is over.



## 14.5) FUNCTIONAL TESTING

Select door automatic operation by program selector.

Once the set-up is completed the default program selector is the S12 digital programmer (function F01 = OFF).

If the EV-MSEL mechanical selector is installed, set function F01 = ON (please refer to paragraph 19.1 "Function setting").

Refer to "Program selectors" paragraph describing the two types of selector provided for to select the automatic door operating mode.

To start an opening manoeuvre, give a pulse to PS1 button (Start) on the LOGIC2 board or engage the door opening devices.

Ensure that door opening and closing cycle is properly performed and that pulse organs and safety sensors operate; to adjust sensor detection field, refer to the instructions delivered with the sensor.

The safety sensors must ensure that the leaf doesn't impact against any automatic door users (please comply with the provisions contained in the regulations in force).

During door movement, intermittent signals could be heard as emitted by the buzzer to indicate that the limit power delivered by operator has been reached, especially if leaf dimensions and weight are close to the limits allowed.

A short noise signal by the buzzer during start in opening is to be considered as normal, as the pick-up phase is the moment requiring maximum force.

Adjust the thrust power by P04 parameter of S12 programmer (see "Adjustment of parameters" paragraph).

To deactivate the buzzer noise signal when the power limit is reached, set up F33 function to ON (see "Functions setup").

The buzzer noise signal for almost the entire stroke means that the leaf exceeds the limits allowed or frictions exist on the fixture; in this case, the movements of automatic door are difficult and the opening/closing cycle could not be completed.

Check that the electric lock and the manual release are working properly.

If the operator is equipped with emergency battery, connect the battery connector to the BATTERY connector on the LOGIC2 control unit, and make sure that the battery charger board is inserted into the J1 connector of the control unit (for detailed information about operation with the emergency battery please refer to para. "Emergency opening device").

Safety on impact: placing an obstacle in front of the leaf while it is in motion will cause the leaf to stop and the motion direction to be reversed; when performing the next cycle the leaf shall slow down in the point where it had come into contact with the obstacle.

To set up the available functions, refer to "Functions setup" paragraph.

To adjust the variable parameters, refer to "Adjustment of parameters" section.

## REPEATING THE INITIAL SET-UP

Set-up operation must be repeated if one of the following conditions varies:

leaf weight, leaf stroke, opening direction, type of electric lock, replacement of the LOGIC2 board.

## 14.6) INPUT DIAGNOSTICS

S12 programmer allows checking the inputs status to ensure proper operation of all devices connected with EUROSILIDE operator.

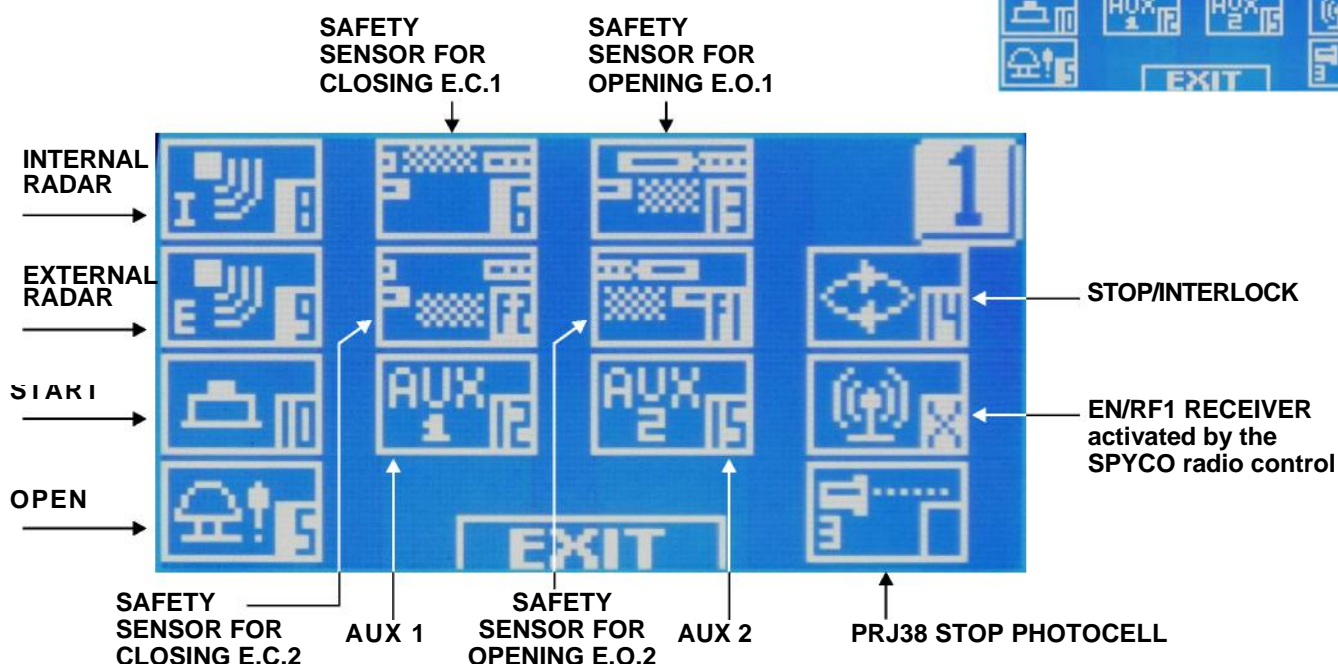
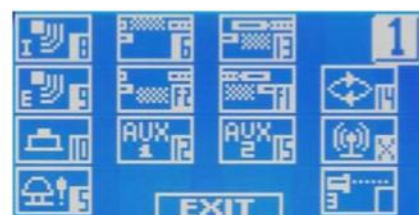
To enter "Inputs diagnostics" while the automatic door operating program is shown on display, keep **F2** button pressed for about 3 seconds.

The **F3** button is only used in case the S12 programmer is connected to two EUROSILIDE operators and the symbol "1" is displayed at the top right if the inputs on operator 1 are being viewed, or **2** if the viewed inputs are those of operator 2. Press F3 once to switch from 1 to 2 and vice versa.

If the S12 programmer only manages a single operator the symbol "1" is displayed at the top right.

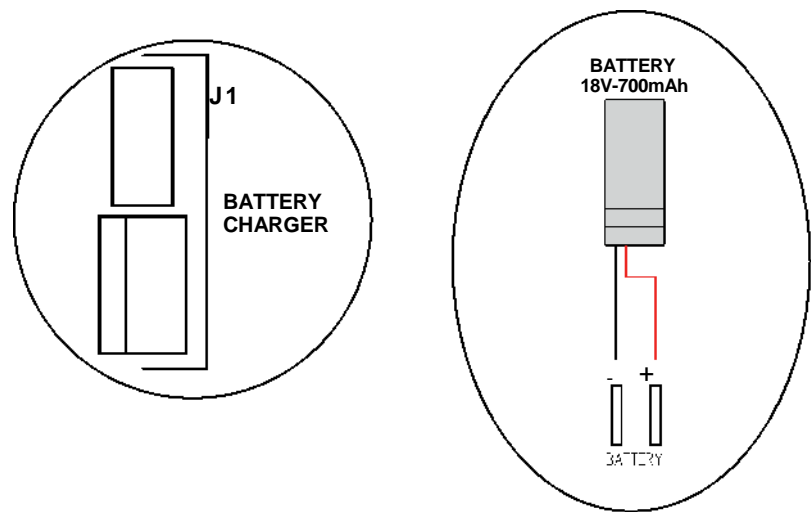
The display shows the symbols of all operator inputs, with the relevant terminal number.

If an input is used, the corresponding symbol lights up with an arrow on a side.



15) BATTERY-POWERED EMERGENCY OPENING DEVICE EV-BAT1

Insert the battery charger board into connector J1 located on the LOGIC2 control unit (see the figure to the side).  
Connect the battery, taking care that polarity is correct (red cable +, black cable -).  
The battery charger board self-checks the battery charge level and displays a green and a red led (see table "LED SIGNALLING")



Operation


The EV-BAT1 device trips in case of mains power failure, allowing the EUROSLIDE operator to keep running.  
The battery operating time depends on various factors, like the number of operations performed, the leaf weight, the connected external devices , etc....  
The charged battery can supply energy for approximately 10 continuous door opening/closing cycles.

**IMPORTANT!**

**BATTERY TYPE: NiMH, 18V - 700mAh**

LED SIGNALLING

SIGNALLED EVENTS	GREEN LED	RED LED
BATTERY DISCONNECTED	ON	ON
BATTERY CHARGING	BLINKING	OFF
BATTERY CHARGED WITH MAINS VOLTAGE	ON	OFF
BATTERY DISCHARGED	OFF	BLINKING
BATTERY CHARGED WITHOUT MAINS VOLTAGE	OFF	ON

**WARNING!**


- . Periodically check battery efficiency
- . To allow recharging batteries must always be connected to the electronic control unit
- . The equipment must be disconnected from the mains when removing the batteries
- . In case of replacement, always use genuine batteries.
- . Replacement must be performed by qualified personnel
- . Remove batteries from the equipment before its disposal
- . Batteries contain polluting substances; therefore they must be disposed of in accordance with the provisions of local regulations

16) BATTERY-POWERED EMERGENCY OPENING DEVICE EV-BAT2P

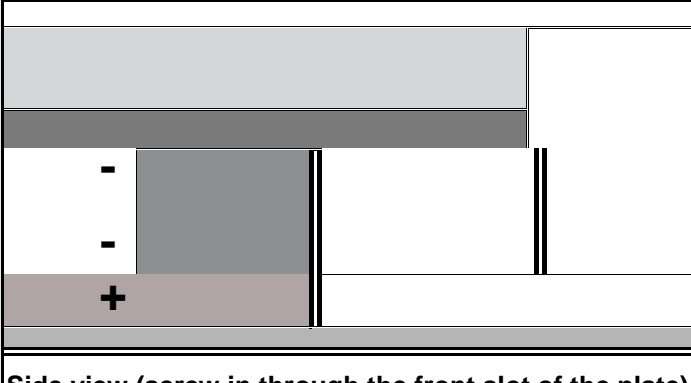
Battery unit location inside the EUROSLIDE operator

Depending on the space available inside the EUROSLIDE operator, the battery unit can be installed on the right side of the transom, next to the electronic control unit casing (Solution 1), or to the left of the gearmotor (Solution 2).

**Solution 1**




Front view

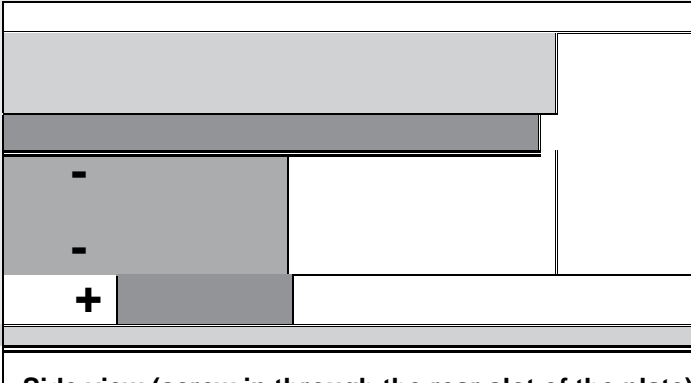


Side view (screw in through the front slot of the plate)

**Solution 2**



Front view



Side view (screw in through the rear slot of the plate)

Insert the battery charger board into connector J1 located on the LOGIC2 electronic control unit (see figure 1). Connect the battery, taking care that polarity is correct (red cable +, black cable -),

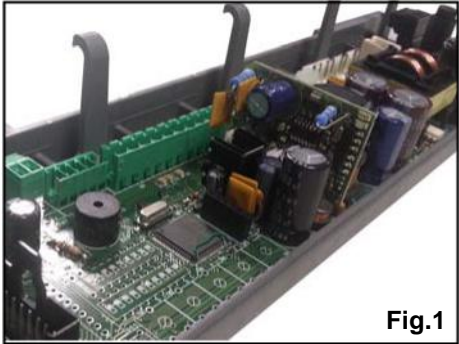


Fig.1

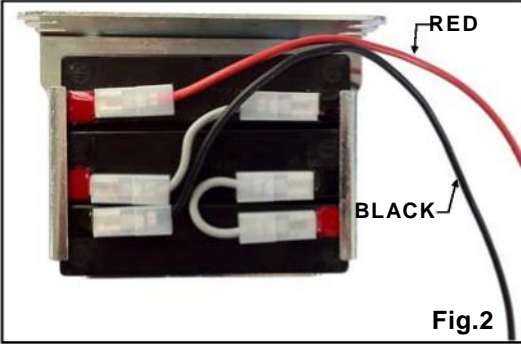


Fig.2

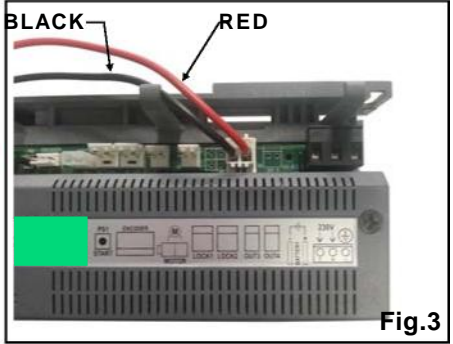


Fig.3

OPERATION

The EV-BAT2P device trips in case of mains power failure, allowing the EUROSLIDER operator to keep running. The battery operating time depends on various factors, on the number of operations performed, on the leaf weight, on the connected external devices, etc... Indicatively, the charged battery can supply energy for about 30 continuous door opening/closing cycles, or for approximately two hours if the door isn't operated.


IMPORTANT!

Battery type: 3x6V (18V) - 1,3Ah

LED SIGNALLING

SIGNALLED EVENTS

	GREEN	GREEN LED	RED	RED LED
BATTERY DISCONNECTED		ON		ON
BATTERY CHARGING		BLINKING		OFF
BATTERY CHARGED WITH MAINS VOLTAGE		ON		OFF
LOW OR DAMAGED BATTERY WITH AND WITHOUT MAINS VOLTAGE		OFF		BLINKING
BATTERY CHARGED WITHOUT MAINS VOLTAGE		OFF		ON



WARNING!

- . Periodically check battery efficiency
- . To allow recharging batteries must always be connected to the electronic control unit
- . The equipment must be disconnected from the mains when removing the batteries
- . In case of replacement, always use genuine batteries.
- . Replacement must be performed by qualified personnel
- . Remove batteries from the equipment before its disposal
- . Batteries contain polluting substances; therefore they must be disposed of in accordance with the provisions of local regulations

3 3

## 17) PROGRAM SELECTORS

The program selector allows the door user to select the operating mode.

Depending on one's preferences, the EV-MSEL mechanical key selector or the S12 digital programmer can be used.

Each program selector is described in details below.

### 17.1) EV-MSEL MECHANICAL KEY SELECTOR

The operation of the 5-position mechanical key selector must be enabled by setting the F01 function to ON on the N-DSEL programmer.



### ELECTRIC CONNECTIONS

Terminal 1 of EV-MSEL= to terminal 8 (Internal radar) of EUROSLIDER operator control unit.

Terminal 2 of EV-MSEL= to terminal 11 (Common) of EUROSLIDER operator control unit.

Terminal 3 of EV-MSEL= to terminal 12 (AUX 1) of EUROSLIDER operator control unit.

Terminal 4 of EV-MSEL= to terminal 15 (AUX 2) of EUROSLIDER operator control unit.

For any check on proper connection and operation of key mechanical selector, enter inputs diagnostics (see par. 14.6) to ensure that different key positions correspond to activation of the following symbols:

 =  and 

 = 

 =  and 

 = 

**= no active symbol**

### OPERATING MODE

Insert and rotate the key in EV-MSEL selector to select the program desired.

<b>Open door program</b> The door stops in complete opening position.
<b>Reduced opening program during winter</b> To open the door partially
<b>Bi-directional automatic program</b> The door automatically opens when each opening control activates.
<b>Single-direction automatic program output only</b> To exclude the incoming detection on external radar input
<b>Night lock program</b> The door can only be open by OPEN input or radio control if EN/RF1 radio receiver is installed.

The key can be taken out of the selector when in any position in order to prevent the work program from undesired changes.3 ...>

### MANUAL FREE DOOR PROGRAM

The manual free door program can be selected by means of the EV-MSEL selector to disable the automatic door automatic operation and to let the operator manually move the leaves.

To enable the MANUAL FREE DOOR program in the desired position of the EV-MSEL mechanical selector, operate on the F36/F37 function combination on the S12 digital programmer (see para. "FUNCTION SETTING").




## 17.2) S12 DIGITAL PROGRAMMER – USED AS PROGRAM SELECTOR

S12 digital programmer can be installed in the system and used by the user like a program selector, as an alternative to manual and EV-MSEL mechanical selector if you need a more complete tools in terms of functions and graphs.

To enable S12 operation like a program selector, set up F01 function OFF (see “Functions setup” paragraph).



By pulse-pressing the  button, choose the automatic door operating mode. Each time a button is pressed, it switches from a work program to the next one.

The operating programs to be selected by  button are described below.



### Bi-directional automatic program

The door automatically opens when each opening control activates.



### Single-direction automatic program output only

To exclude the incoming detection on external radar input



### Single-direction automatic program input only

To exclude the outgoing detection on internal radar input.



### Open door program

The door stops in complete opening position.



### Night lock program

The door can only be open by OPEN input or radio control if EN/RF1 radio receiver is installed.







### Free manual door

The automatic operation is disabled and door can be manually open.



### Power warning light display

The symbol  indicates the presence of mains power voltage and the battery, if any, is operating.



- The symbol  indicates the absence of mains power voltage and operator activity is ensured by emergency battery, if any, which is in working order.
- The symbol  with mains power voltage indicates that the battery is damaged. In this case, the control unit buzzer emits a beep before each door opening for 10 cycles (if F07 function OFF), or the door opens and remains open (if F07 function ON).
- The symbol  without mains power voltage indicates that the emergency battery is about to run out.

## Operation of other buttons located on S12 program selector panel




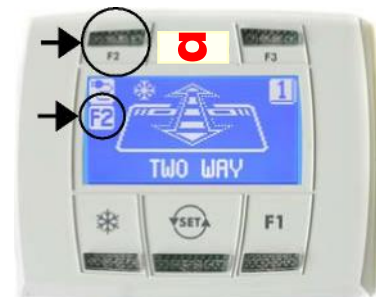
### REDUCED OPENING DURING WINTER

#### To reduce the passage opening.

To activate the reduced opening during winter press the  button once;  
The  symbol on the display indicates that the function is on.

The reduced opening during winter only operates in bi-directional, single-direction and open door automatic programs.

To disable the reduced opening during winter press the  button once more;



### F2

#### CHEMIST'S OPENING

##### To open the door by a few centimetres.

To enable the chemist's opening press the F2 button once; the F2 symbol appears on the display.

To disable the chemist's opening press the F2 button once more; the F2 symbol goes off on the display.



### F1

#### Door opening command

Press F1 button to open the door, but only in bi-directional and single-direction programs (if F32 function OFF).

Press F1 button to open the door in all operating programs, both automatic and night lock (if F32 function ON).



### F3

#### It is only used if the S12 digital programmer manages two automatic doors

When the work program main screen is displayed, the F3 button allows to switch from operator 1 to operator 2 and vice versa.

The number 1 appears on the display when operator 1 is selected; the number 2 appears when operator 2 is selected.



Select the number of the automatic door operator on which you wish to set the work program.



### "PROGRAMMED MAINTENANCE" message

If the "PROGRAMMED MAINTENANCE" message appears on the display, please contact the authorised support centre to request a system maintenance intervention.

To enter the general programming menu while the automatic door operating program is shown on display, keep **ENTER** button pressed for about 5 seconds.

Choose the section you wish to access by pressing the F1 >> button.  
The selected menu icon is highlighted and the section title appears at the top of the display.

To exit the general programming menu and return to the operating program view, press EXIT .

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19) FUNCTIONS AND SETTINGS

To enter, type 10-character technical password (for more information, refer to "Password management" paragraph)



The buttons in this sub-menu are used as follows:  
button F2 = to access the F function setting (see the "Function setting" paragraph);  
button F1 = to access the P parameter setting (see the "Parameter setting" paragraph);  
button F3 = to issue the door opening command;  
button F4 = it is only used in case the S12 digital programmer is connected to two operators, to choose whether to act on the functions and parameters of operator 1, or of operator 2. The number 1 or 2 at the top right of the display indicates the selected operator. If the S12 programmer is connected to a single operator, the number 1 appears at the top right of the display.  
button F5 = to return to the general programming menu.

19.1) FUNCTION SETTING



In this section the display describes the purpose of the selected function;  
the F1 button sets the function status to OFF;  
the F3 button sets the function status to ON;  
the F2 button allows to switch to the next function;  
the F4 button allows to return to the previous function;  
For information about the operation of each function, please refer to the "FUNCTION TABLE" below.

19.2) PARAMETER SETTING



In this section the display describes the selected parameter type;  
the F1 button decreases the set percentage value;  
the F3 button increases the set percentage value;  
the F2 button allows to switch to the next parameter;  
the F4 button allows to return to the previous parameter.

For information about the operation of each parameter, please refer to the "PARAMETER TABLE" below.

## FUNCTION TABLE

FUNCTION	STATUS	EXPLANATION
F01	OFF	Choice of the work program selector: S12 digital programmer
	ON	Choice of the work program selector: EV-MSEL mechanical selector
F02	OFF	Standard function: the electric block activates when the door is closed only in the Night Lock work program.
	ON	Bank function: the electric lock activates when the door is closed in all work programs
F03	OFF	Electric lock type selection: FAIL SECURE «EV-EBSFSE» or BISTABLE «EV-EBSBIS»
	ON	Electric lock type selection: FAIL SAFE «EV-EBSFSA»
F04	OFF	Electric lock for chemist's function not installed
	ON	Double electric lock for chemist's function: <b>active</b>
F05	OFF	Electric lock <b>not active</b> when the door is closed in the OUTGOING ONLY work program
	ON	Electric lock <b>active</b> when the door is closed in the OUTGOING ONLY work program
F06	OFF	<b>Operation when powered by battery:</b> if the mains power supply is off the door keeps working normally
	ON	<b>Operation when powered by battery:</b> if the mains power supply is off the door opens and stays open in the automatic work programs
F07	OFF	<b>Battery monitoring:</b> if the battery is low or damaged the control unit buzzer beeps before the door opens for ten cycles
	ON	<b>Battery monitoring:</b> if the battery is low or damaged, the door opens and stays open in automatic programs.
F08	OFF	<b>Operation without mains power supply with battery getting depleted:</b> the door works normally
	ON	<b>Operation without mains power supply with battery getting depleted:</b> the door opens and stays open
F09	OFF	Operator type selection: <b>EUROSLIDE SD</b>
	ON	Operator type selection: <b>EUROSLIDE HD</b> or <b>EUROSLIDE TS</b>
F10	OFF	Running direction for <b>EUROSLIDE</b> operator: for double leaf and single leaf with leftward opening. Running direction for <b>EUROSLIDE</b> operator: for four mobile leaves or two mobile leaves with rightward opening.
	ON	Running direction for <b>EUROSLIDE</b> operator: for single leaf with rightward opening. Running direction for <b>EUROSLIDE</b> operator: for two mobile leaves with leftward opening.
F11	OFF	E.C.1 closing safety sensor input <b>inactive</b> ; when the safety sensor is not installed on the E.C.1 input
	ON	E.C.1 closing safety sensor input <b>active</b> ; closing safety sensor on E.C.1 input installed
F12	OFF	E.C.2 closing safety sensor input <b>inactive</b> ; when the safety sensor is not installed on the E.C.2 input
	ON	E.C.2 closing safety sensor input <b>active</b> ; closing safety sensor on E.C.2 input installed
F13	OFF	E.O.1 opening safety sensor input <b>inactive</b> ; when the safety sensor is not installed on the E.O.1 input
	ON	E.O.1 opening safety sensor input <b>active</b> ; opening safety sensor on E.O.1 input installed
F14	OFF	E.O.2 opening safety sensor input <b>inactive</b> ; when the opening safety sensor is not installed on the E.O.2 input
	ON	E.O.2 opening safety sensor input <b>active</b> ; opening safety sensor on E.O.2 input installed
F15	OFF	Tests on closing safety sensors E.C.1 and E.C.2 <b>inactive</b> ; for sensors which are not pre-arranged for the monitoring
	ON	The function is active if F11 or F12=ON. Test on closing safety sensors E.C.1 and E.C.2 <b>active</b> ; for sensors pre-arranged for automatic door monitoring by the operator (cat.2/pl.c). For further information please refer to the "Safety sensors" paragraph.
F16	OFF	Tests on opening safety sensors E.O.1 and E.O.2 <b>inactive</b> ; for sensors which are not pre-arranged for the monitoring
	ON	The function is active if F13 or F14=ON. Test on opening safety sensors E.O.1 and E.O.2 <b>active</b> ; for sensors pre-arranged for automatic door monitoring by the operator (cat.2/pl.c). For further information please refer to the "Safety sensors" paragraph.
F17	OFF	The function is active if F15 or F16=ON. Safety sensor test with logic level LOW. For information please refer to the "Safety sensors" paragraph.
	ON	The function is active if F15 or F16=ON. Safety sensor test with logic level HIGH. For information please refer to the "Safety sensors" paragraph.
F18	OFF	PRJ38 FT1/FR3 photocell: not installed
	ON	PRJ38 FT1/FR3 photocell: installed and working as a stop sensor in the panic exit breakout system.
F19	OFF	The activation of the safety sensor during opening slows down the leaf opening motion until the end of the stroke is reached.
	ON	The activation of the safety sensor during opening stops the leaf motion until the obstacle is removed.
F20	OFF	OPEN input configuration: normally closed contact. When a device with N.C. contact is installed.
	ON	OPEN input configuration: normally open contact. When not in use or if a device with N.O. contact is installed



FUNCTION	STATUS	EXPLANATION
F21	OFF	STOP/INTERLOCK input configuration: normally closed contact N.C.
	ON	STOP/INTERLOCK input configuration: normally open contact N.O.
F22	OFF	Forced closing function <b>inactive</b> .
	ON	Forced closing function <b>active</b> . Please refer to the "Forced closing function" paragraph.
F23	OFF	In case of failure of the closing safety sensor test the door stays open
	ON	In case of failure of the closing safety sensor test the door closes slowly after 30 seconds
F24	OFF	The function is active only if the total weight of the closing movable leaves has been set using the P35 parameter: single-leaf sliding door or telescopic door with two movable leaves.
	ON	The function is active only if the total weight of the closing movable leaves has been set using the P35 parameter: double-leaf sliding door or telescopic door with four movable leaves.
F25	OFF	Constant pause time
	ON	Automatic increase of the pause time if the door cannot close due to the high flow of people.
F26	OFF	Interlock function inactive.
	ON	Interlock function active. Please refer to the "Interlock system" paragraph.
F27	OFF	This function is active if <b>F26=ON</b> . Door opening is delayed by 0,5" after the issuing of the relevant command. Please refer to the "Interlock system" paragraph.
	ON	This function is active if <b>F26=ON</b> . The door opens immediately after the issuing of the relevant command. Please refer to the "Interlock system" paragraph.
F28	OFF	This function is active if <b>F26=ON</b> . The opening command is not stored in memory Please refer to the "Interlock system" paragraph.
	ON	This function is active if <b>F26=ON</b> . The opening command is stored in memory Please refer to the "Interlock system" paragraph.
F29	OFF	Operation with automatic closing
	ON	Step-by-step function: a START or OPEN input command opens the door; a second command is required to close back the door.
F30	OFF	Push & Go function <b>inactive</b> .
	ON	Push & Go function <b>active</b> . Manually moving the leaf by a few centimetres in the opening direction activates an automatic opening cycle.
F31	OFF	The internal and external radars are not active during the closing operation in the work program "Night Lock"
	ON	The internal and external radars are active during the closing operation in the "Night Lock" work program, causing the door to reopen.
F32	OFF	The F1 button of the S12 digital programmer controls door opening in automatic programs only.
	ON	The F1 button of the S12 digital programmer controls door opening both in automatic programs and in night lock mode.
F33	OFF	It enables the warning beep by the buzzer when the motor thrust power limit is reached. Please refer to the "Functional testing" paragraph. Please refer to the "Functional testing" paragraph
	ON	It disables the warning beep by the buzzer when the motor thrust power limit is reached.
F34	OFF	Switching from reduced opening during winter to full opening inactive.
	ON	Switching from reduced opening during winter to full opening active. If the door cannot close due to the high flow of people, after approximately one minute it switches from reduced opening to full opening.
F35	OFF	Energy saving function <b>inactive</b> .
	ON	Energy saving function <b>active</b> . The door closes back as soon as the opening radars and the closing safety sensors are no longer engaged, to minimise the amount of time during which the door stays open. To maximise the benefit of this function, we recommend that you install single-direction activation sensors.
F36 - F37		<b>Setting of the "Manual free door" program in the EV-MSEL mechanical key selector</b>
OFF	OFF	Standard operation of the EV-MSEL mechanical selector (Manual free door program not enabled)
ON	OFF	Manual free door program enabled when "Outgoing only" is selected
OFF	ON	Manual free door program enabled when "Night lock" is selected
ON	ON	Manual free door program enabled when "Reduced opening during winter" is selected
F38	OFF	Operation of the OUT4 output with UR1 relay module: door status. Blinking slowly while the door is opening, on when the door is open, blinking fast when the door is closing, off when the door is closed.
	ON	Operation of the OUT4 output with UR1 relay module: alarm warning, it activates for two seconds if the internal radar or the closing safety sensor are engaged while the door is closed in Night Lock mode.
F39	OFF	Operation of the OUT3 output with UR1 relay module: management of heat blade (device generating a flow of cold or heated air to separate the outside temperature from the inside one). The output activates when the door opens and deactivates when the door closes.
	ON	Operation of the OUT3 output with UR1 relay module: Gong signalling the door is being crossed through. Please refer to the "Gong function" paragraph.
F40	OFF	Cyclic function inactive
	ON	Cyclic function active. It activates the continuous door opening and closing cycle; it is only used for operation or durability tests.




## PARAMETER TABLE

PARAMETER	EXPLANATION
<b>P01</b>	<b>Opening speed</b> Increasing the value will increase speed during the opening process.
<b>P02</b>	<b>Closing speed</b> Increasing the value will increase speed during the closing process.
<b>P03</b>	<b>Reduced opening distance during winter</b> Increasing the value will increase the reduced opening value; min. 40 cm./leaf, max. 150 cm./leaf.
<b>P04</b>	<b>Motor thrust power.</b> At maximum value, the maximum motor thrust is obtained.
<b>P05</b>	<b>Open door pausing time in automatic work programs</b> Setting values range between 0 (closing immediately after opening) and 20 seconds.
<b>P06</b>	<b>Open door pausing time in the Night Lock work program</b> Setting values range between 01 (closing immediately after opening) to 20 seconds. When the value is set to 0 % (default value) the function is disabled. This parameter allows to set a pausing time in Night Lock mode which exceeds the pausing time set by the P5 parameter.
<b>P07</b>	<b>Acceleration ramp when opening</b> It sets the leaf acceleration phase during the opening cycle start. Increasing the value will increase the leaf starting acceleration during the opening process.
<b>P08</b>	<b>Acceleration ramp when closing</b> It sets the leaf acceleration phase during the closing cycle start. Increasing the value will increase the leaf starting acceleration during the closing process.
<b>P09</b>	<b>Braking ramp when opening</b> It sets the leaf deceleration phase at the end of the opening cycle. Increase the value for quicker braking at the end of the opening process.
<b>P10</b>	<b>Braking ramp when closing</b> It sets the leaf deceleration phase at the end of the closing cycle. Increase the value for quicker braking at the end of the closing process.
<b>P11</b>	<b>Deceleration starting distance when opening</b> Increasing the value will increase the distance from the end of the stroke during opening at which the leaf proceeds at slow speed until the end of the stroke.
<b>P12</b>	<b>Deceleration starting distance when closing</b> Increasing the value will increase the distance from the end of the stroke during closing at which the leaf proceeds at slow speed until the end of the stroke.
<b>P13</b>	<b>Motor thrust power at the end of the closing cycle</b> It sets the thrust power in the last phase of the closing cycle; this allows the leaf to more easily close on the final ledge. Increasing the value will increase the thrust power.
<b>P14</b>	<b>Motor thrust time at the end of the closing cycle</b> It sets the thrust duration in the last phase of the closing cycle; this allows the leaf to more easily close on the final ledge. Increasing the value will prolong the thrust time.
<b>P15</b>	<b>Tension keeping the door closed</b> It sets the tension the motor exerts when the door is closed, to keep the leaves properly in contact with the ledge. Increasing the value will increase the thrust exerted by the leaf onto the closing ledge.
<b>P16</b>	<b>Wind stop when the door is closed</b> It sets the intensity of the contrast force exerted by the motor, should anyone attempt to forcibly open the door. Increasing the value will increase the intensity of the force contrasting the attempt to open the leaves.
<b>P17</b>	<b>Distance from the final closing ledge at which the door reopens if an obstacle is detected during the closing cycle</b> When decreasing this value to 0% the motion direction will be reversed if an obstacle is detected up to 5mm. from the final closed door ledge. Below this distance the door stops and doesn't reopen.
<b>P18</b>	<b>Distance between the end of the leaf stroke during opening and the mechanical opening limit switch</b> Increasing the value will increase the distance between the leaf and the mechanical limit switch, with respect to the value stored during set-up. Decreasing the value will decrease the distance between the leaf and the mechanical limit switch, with respect to the value stored during set-up.
<b>P19</b>	<b>Waiting time between 2 consecutive door crossing warning gongs.</b> It sets the waiting time elapsing between the gong buzzer activation as the person passes through the automatic door to its reactivation as an other person passes, to prevent repeated consecutive gongs. Please refer to the "Gong function" paragraph.
<b>P20</b>	<b>Start delay when opening with respect to activation of electric lock</b> It sets the time after which the door opens, since the issuing of the opening command and the activation of the electric lock. When the parameter is set to the minimum value, i.e. 0%, the leaf starts as soon as the electric lock is activated; when it is set to 100% the delay will be of 5 seconds.

PARAMETER	EXPLANATION
P21	<b>Internal Radar and Start enabling time when the Night Lock work program is selected</b> Time during which the Internal Radar and Start inputs remain enabled to open the door after the Night Lock work program has been set. At 0% the function is disabled, at 01% time = 10 seconds, at 100% time = 120 seconds.
P22	<b>Time after which the interlock between two automatic doors gets disabled if the open door doesn't close back</b> (setting is enabled if F26=ON). Please refer to the "Interlock system" paragraph. When the parameter is set to 0% (the default value), the function is disabled. Time after which the interlock gets automatically disabled if the currently open door doesn't close back due to the high flow of people. In this case if the internal radar of the second door is activated by the people who are in the gap between the two doors, the second door opens, allowing people to move out. At 01% the interlock disabling time and the second door opening time will be of 10 seconds. At 50% the interlock disabling time will be of 60 seconds, at 100% the interlock disabling time will be of 120 seconds.
P23	<b>OPENING DISTANCE IN CHEMIST'S MODE</b> Increasing the value will increase the reduced opening value in chemist's mode; min. setting 5cm./leaf, max. 20cm./leaf.
P24	Unused parameter
P25	Unused parameter
P26	Unused parameter
P27	Unused parameter
P28	Unused parameter
P29	Unused parameter
P30	Unused parameter
P31	Unused parameter
P32	Unused parameter
P33	<b>Scheduled maintenance</b> This parameter allows to select the number of opening/closing cycles after which the «SCHEDULED MAINTENANCE» message appears on the display of the S12 program selector. When the parameter is set to OFF (default value) the message is not displayed. Select the number of cycles according to the door operation and to the usage conditions: 8K (8000 cycles), 16K (16000 cycles), 32K (32000 cycles), 64K (64000 cycles), 128K (128000 cycles), 256K (256000 cycles), 512K (512000 cycles).
P34	<b>Setting of the movable leaf total weight to avoid exceeding the impact force limits during opening (EN16005 and DIN18650)</b> When selecting the value of the movable leaf total weight, the door opening speed will be automatically adjusted by the operator to avoid exceeding the impact force limits during opening provided for by the EN16005 and DIN18650 standards. When the value is set to 00 Kg. the function is disabled and the opening speed can be set using the P01 potentiometer; in this case the installer must take other safety measures, in compliance with the regulations in force. The setting values for the total weight of the movable leaves range between 30 Kg. and 320Kg.
P35	<b>Setting of the movable leaf total weight to avoid exceeding the impact force limits during closing (DIN18650)</b> When selecting the value of the movable leaf total weight, the door closing speed will be automatically adjusted by the operator to avoid exceeding the impact force limits during closing set by the DIN18650 standard. When the value is set to 00 Kg. the function is disabled and the closing speed can be set using the P02 potentiometer; in this case the installer must take other safety measures, in compliance with the regulations in force. The setting values for the total weight of the movable leaves range between 30 Kg. and 320Kg. Use the F24 function to specify whether the automatic door has a single leaf or two leaves.

## 20) LANGUAGE



- Use the F2 and  buttons to move arrow to the desired language.
- Press EXIT (SET) button to return to general programming menu.

## 21) PASSWORD MANAGEMENT



This section shows three types of password.

### a) TECHNICAL PASSWORD (for technical personnel in charge of installation and maintenance)

It is the 10-character password of the installer who starts the system.

Using the technical password is compulsory to prevent unauthorized persons from having access to general programming menu sections concerning parameters and functions setting, initial set-up and maintenance area.

Default preset technical password is "A-A-A-A-A-A-A-A-A-A".

#### WARNING!

It is recommended to change the default technical password and be very careful not to forget it.

### b) PRIMARY PASSWORD (for the system's owner-user)

It is a 5-character password used by the user to prevent unauthorized persons from having access to S12 programmer and change the work program.

Using a primary password is optional and must be enabled by system's owner.

Default preset primary password is "A-A-A-A-A".

#### WARNING!

When enabling the password, be careful not to forget the access combination.

### c) SERVICE PASSWORD (for user)

It is a 5-character password that the system's owner may divulge to persons to be authorized to use S12 programmer.

The service password only allows changing the automatic door work program.

Default preset service password is "A-A-A-A-A".

To change the service password, it is necessary to have access by primary password.

Use the  button to move the selection arrow downward and the F2 button to move the arrow upward.

## 21.1) HOW TO CHANGE THE TECHNICAL PASSWORD

- Select "TECHNICAL PASSWORD"
- Press OK (F1) button.



- Type the default preset technical password "A-A-A-A-A-A-A-A" by pressing 10 times on A button.



- Type the new technical password, selecting a combination of 10 characters from the letters A-B-C-D.



- It is required to repeat the new password, so type the previous combination again.



- If the password typed is correct, "PASSWORD OK" is shown on display for one second and the general programming menu is restored.

From this moment on, when having access to general programming to enter initial set-up, functions and adjustments, settings of serial communication and maintenance section, the new stored password needs to be typed.

The password is not required afterwards, when switching sections without exiting the general programming menu.

If the password typed is not correct, "PASSWORD ERROR" is shown on display and the general programming menu is restored.

## 21.2) HOW TO CHANGE THE PRIMARY PASSWORD

- Select "PRIMARY PASSWORD"
- Press OK (F1) button.



- Type the default preset primary password "A-A-A-A-A" by pressing 5 times on A button.  
(If the primary password is not the default password as it had already been changed before, type the currently-used primary password).



- Type the new primary password, selecting a combination of 5 characters from the letters A-B-C-D.



- It is required to repeat the new password, so type the previous combination again.



- If the typed password is correct the "PASSWORD OK" message appears on the display for one second, then the system switches back to the PASSWORD MANAGEMENT section; press the EXIT button to return to the general programming menu
- If the typed password doesn't match the previous one, the PASSWORD ERROR message appears on the display; the system will switch back to the PASSWORD MANAGEMENT section and the user will have to repeat the procedure.

### 21.3) HOW TO CHANGE THE SERVICE PASSWORD

- Select "SERVICE PASSWORD".
- Press OK (F1) button.



- Type the primary password.



- Type the new service password, selecting a combination of 5 characters from the letters A-B-C-D.



- It is required to repeat the new password, so type the previous combination again.



- If the password typed is correct, "PASSWORD OK" is shown on display for one second and the system returns to the PASSWORD MANAGEMENT section.

Press the EXIT  button to return to general programming menu.

If the typed password doesn't match the previous one, the PASSWORD ERROR message appears on the display; the system will switch back to the PASSWORD MANAGEMENT section and the user will have to repeat the procedure.

## 21.4) ENABLING USER PASSWORD USAGE (primary and service)

- Select "PASSWORD ON / OFF"
- Press OK (F1) button.



- Type the primary password.



- Press the ON \* button to enable the usage of user passwords and return to the PASSWORD MANAGEMENT menu. To return to the work program view press the EXIT button twice.
- From this moment on, whenever the user wants to access to S12 digital programmer to change the automatic door work program, the primary or service password must be typed.

**When the user decides to enable the password usage, it is recommended to change the combination of both primary and service password.**

## 21.5) DISABLING USER PASSWORD USAGE

- From the PASSWORD MANAGEMENT section, select "PASSWORD ON / OFF"
- Press OK (F1) button.



- Type the primary password.



- Press OFF (F1) button to disable user password usage. To return to the general programming menu press the EXIT button twice. From this moment on, the access to S12 digital programmer like program selector is free.



## 22) INFORMATION AND EVENT MEMORY

S12 digital programmer allows displaying information on automation and accessing to events memory, where fault errors are stored.

After displaying the automatic door work program, press the button for 5" to enter the information area (Diagram 2).

The buttons inside the information area are used as follows

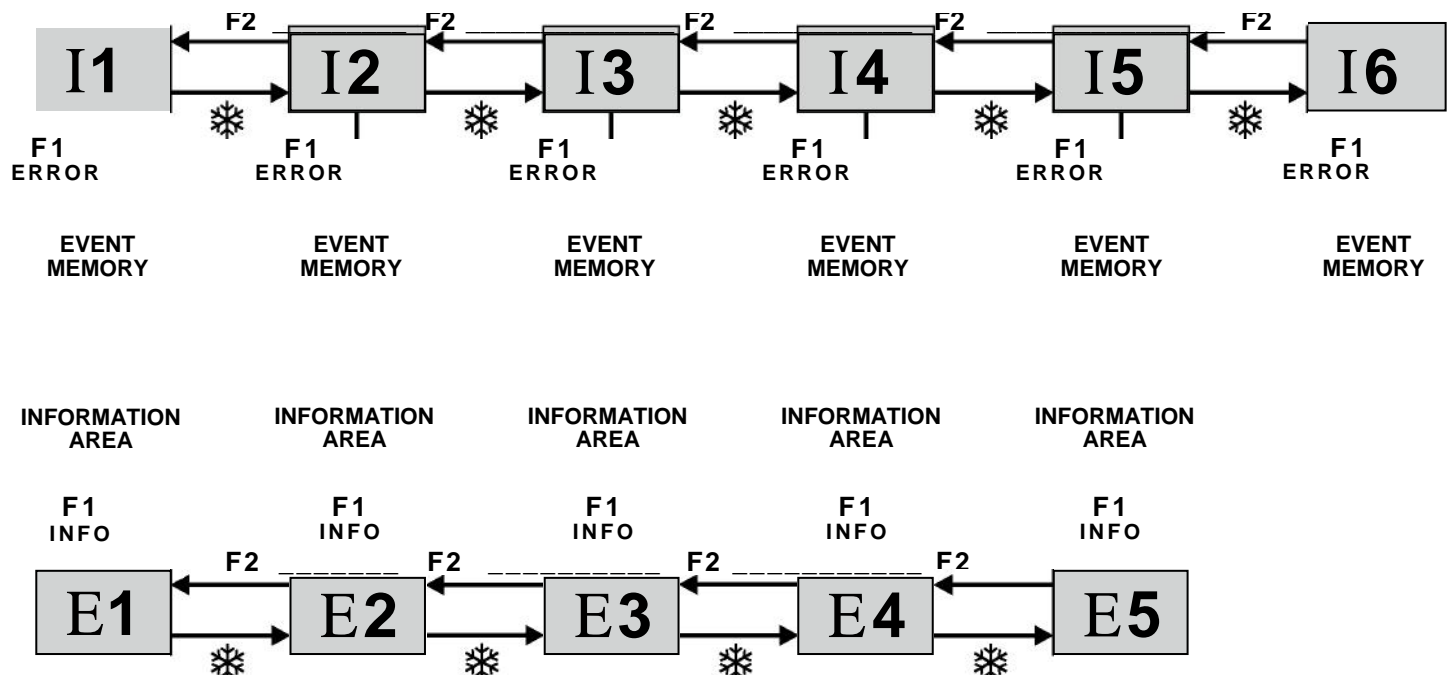
- The v button allows to move to the next information or event in event memory.
- The ^ F2 button allows to move to the next information or event in event memory.
- The F3 button is only used if the S12 digital programmer is connected to two operators for the management of two automatic doors and the symbol in the top right section of the display indicates 1 if the displayed information refer to operator 1, or 2 if they refer to operator 2.  
Every touch on F3 button allows to switch from 1 to 2 and vice versa.
- If the S12 programmer only manages a single operator the symbol "1" is displayed at the top right.
- The F1 button allows to switch to the event memory, to display error messages; press it again to return to the information area
- The EXIT button allows to return to main view of the door work program.

DIAGRAM 2



I1, I2, ... = INFORMATION AREA  
E1, E2, ... = EVENT MEMORY

5"



The purpose of the diagram is illustrating the path to be followed to view the information and the event memory; the texts included in figures refer to the memory cells appearing on the left side of the display when viewing the information or the errors.

Refer to the following tables for the list of information and error messages.

## INFORMATION AREA

NUMBER	INFORMATION	MEANING
I1	Serial number	It identifies the LOGIC2 control unit serial code.
I2	Partial counter	It displays the door opening/closing cycles which have been carried out since the latest maintenance intervention. This counter must be reset by the person in charge of maintenance after each intervention (please refer to the "Maintenance" paragraph).
I3	Total cycles	It displays the door opening/closing cycles which have been carried out since the first start-up of the operator.
I4	A microcontroller version	It displays the software release of the LOGIC2 control unit A microcontroller.
I5	B microcontroller version	It displays the software release of the LOGIC2 control unit B microcontroller.
I6	Identification number	Identification number including data for manufacturer use

The events memory stores the last 5 error messages in chronological order.

When all the 5 memory cells are full of messages, the following event stored shall be located in E1 cell, the other memory events are shifted by one position and the event in E5 cell shall be deleted.

The events memory stores messages, divided into warnings and errors.

Stored errors are signalled by displaying the symbol directly from the main screen of the work program; access the events memory to show the relevant message.

The warnings stored are not shown in the main screen of work program, but only stored in events memory.

EVENT MEMORY			
Messages which may be displayed in cells E1 through E5			
WARNINGS			
SYMBOL	MESSAGE ON DISPLAY	MEANING	PROBLEM RESOLUTION
	SOFTWARE RESET	Generic malfunction which triggered a microcontroller reset.	System restoration is automatic.
	OPENING OBSTACLE	The door has come into contact with an obstacle during opening; this caused the motion direction to be reversed.	If the problem persists, remove the obstacle or check that the leaf slides properly.
	CLOSING OBSTACLE	The door has come into contact with an obstacle while closing; this caused the motion direction to be reversed.	If the problem persists, remove the obstacle or check that the leaf slides properly.
	BATTERY DISCHARGED	Low battery charge warning in the absence of mains power supply, during battery-powered operation.	As soon as the mains power supply is restored the battery will be recharged.

ERRORS			
SYMBOL	MESSAGE ON DISPLAY	MEANING	ACTION
		ENCODER FAULT	
		WATCHDOG ERROR	The system restores automatically after a few seconds and carries out an other testing attempt. If the problem persists it is a defect on the LOGIC2 control unit.
	POWER FAULT	Failed cyclic internal test of the current detect circuit.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. If the problem persists it is a defect on the LOGIC2 control unit.
	INITIAL SETTING ERROR	The motor piloting signal test has detected a fault.	Check that the leaf slides properly and that there are no obstacles along the path it follows; also check that motor and encoder are connected, then repeat the set-up attempt.
	ENCODER OR MOTOR ERROR	The operator has not managed to complete the initial set-up.	You need to turn the main 230V power supply OFF and then ON again after a few seconds.
		Signals from the encoder are not detected.	Check that the motor runs, that the motor and encoder connectors are properly plugged in and that the encoder and motor cables are not damaged.
		Fault detected during the encoder operation test.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. If the problem persists it is an issue with the LOGIC2 control unit or the encoder.
	OPENING SAFETY SENSOR ERROR	Failed opening safety sensor test.	Check that the test settings and parameters are correct, that the test has also be enabled on the safety sensor and that the electrical connections between sensor and control unit are correct.
	CLOSING SAFETY SENSOR ERROR	Failed closing safety sensor test.	Check that the test settings and parameters are correct, that the test has also be enabled on the safety sensor and that the electrical connections between sensor and control unit are correct.
	BATTERY FAULT	The system signals a damage to the battery.	During operation the battery is constantly monitored. Should the system signal any damage to it, check that the battery and the battery charger board are working properly.
	BRAKING FAULT	The closing brake signal test has detected a fault.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. If the problem persists it is an issue with the LOGIC2 control unit.
	EEPROM REGISTER FAULT	Failed internal memory register test.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. If the problem persists it is a defect on the LOGIC2 control unit.
		The microcontroller operation check has detected a fault.	The system restores automatically after a few seconds. If the problem persists it is an issue with the LOGIC2 control unit.

## 23) MAINTENANCE

To enter, type the 10-character technical password (for more information, refer to "Password management" paragraph).



This section is only accessed to reset any error existing in the event memory and the partial counter of the door opening/closing cycles. The event memory and partial counter reset must be performed by specialized personnel only during routine maintenance, after performing all system operation checks.

The buttons in this section are used as follows:

- The **v** button allows to move forward in the reset type selection.
  - The **^ F2** button allows to return to the previous reset.
  - **F1** (OK) button allows to confirm data resetting for the selected reset type.
  - The **F3** button is only used if the S12 digital programmer is connected to two operators for the management of two automatic doors and the symbol in the top right section of the display indicates 1 if the reset operations refer to operator 1, or 2 if they refer to operator 2.
- Every touch on **F3** button allows to switch from 1 to 2 and vice versa.  
If the S12 programmer only manages a single operator the symbol "1" is displayed at the top right.

## 24) "UR1" MODULE

The UR1 module is an optional interface board, designed to manage the functions described below. It is equipped with a no-voltage contact relay output (terminals 1-2) that can be of N.O. or N.C. type (depending on the position of the J1 jumper) and of a signal output "-" of OPEN COLLECTOR type.

### 24.1) UR1 module in the OUT3 connector of the LOGIC2 control unit

#### a) HEAT BLADE

**FUNCTION F39 = OFF on the S12 digital programmer**

Use the no-voltage contact on terminals 1 and 2 of the UR1 module to control an air blade, which is a device that generates a cold or heated air flow to separate the external temperature from the internal temperature.

The output is active when the door is moving or open, whereas it deactivates when the door is closed.

#### b) DOOR OPEN WARNING LIGHT

**FUNCTION F39 = OFF on the S12 digital programmer**

Use the no-voltage contact on terminals 1 and 2 of the UR1 module to supply power to a door status warning light:

the output is active when the door is in motion or open, while it disables when the door is closed.

#### c) DOOR CROSSING WARNING GONG

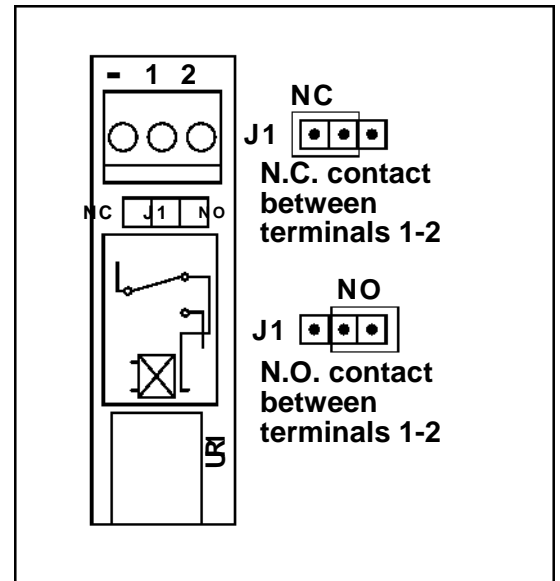
**FUNCTION F39 = ON**

Refer to the "GONG FUNCTION" paragraph for a detailed description of the GONG operation.

#### d) INTERLOCKING SYSTEM BETWEEN TWO AUTOMATIC DOORS

**FUNCTION F26 = ON** (when this function is ON it automatically excludes the other functions associated with F39).

Refer to paragraph 21 "INTERLOCK SYSTEM" for a detailed description of the



### 24.2) UR1 module in the OUT4 connector of the LOGIC2 control unit

#### a) SIGNALLING OF THE AUTOMATIC DOOR OPERATION (DOOR STATUS)

**FUNCTION F38 = OFF on the S12 digital programmer**

Use the no-voltage contact on terminals 1 and 2 of the UR1 module to activate a door status warning light:

OPENING MOVEMENT	= SLOW FLASHING
DOOR OPEN	= FIXED LIGHT ON
CLOSING MOVEMENT	= FAST FLASHING
DOOR CLOSED	= LIGHT OFF

#### b) ALARM WARNING

**FUNCTION F38 = ON**

The output contact of the UR1 module activates for two seconds if in the NIGHT LOCK work program the INTERNAL RADAR or CLOSING SAFETY SENSOR inputs activate when the door is closed.

## 25) SAFETY SENSORS

This paragraph describes the procedure to be followed to properly connect and set-up some of the safety sensors available on the market and complying with the EN12978 standard, to ensure a safety level which complies with PL=c - Cat. 2, as provided for by the EN16005 standard.

### 25.1) OA-AXIS T SENSOR

Application as activation and closing safety sensor

OA-AXIS T SENSOR WIRING			EUROSLIDER OPERATOR LOGIC2 TERMINAL BOARD	
Correspondence between the sensor cables and the terminal board of the EUROSLIDER operator LOGIC2 control				
1. WHITE	(+)	Power supply	TERMINAL 17	(+)
2. BROWN	(-)	Power supply	TERMINAL 18	(-)
3. GREEN	N.A.	(activation)	TERMINAL 8	(Internal radar) or 9 (External radar)
4. YELLOW	COM		TERMINAL 7	COM
5. PINK +	Opto NPN (sensor 1 safety)		TERMINAL 6	E.C.1 Closing safety sensor 1
PINK +	Opto NPN (sensor 2 safety)		TERMINAL	E.C.2 Closing safety sensor 2
6. BLUE -	COM	(sensor 1 safety)	TERMINAL 7	COM
BLUE -	COM	(sensor 2 safety)	TERMINAL	GND COM
7. RED	(+)	Test	TERMINAL 16	TEST (+)
8. BLACK	(-)	Test	TERMINAL 18	(-)

#### OA-AXIS T DIP SWITCH SETTINGS

**DIP 10 = OFF** Self-testing enabled  
**DIP 11 = OFF** Output High  
**DIP 12 = ON** Test input Low  
**DIP 3 = ON, DIP 4 = OFF**, Presence detection timer 60 sec.

#### S12 PROGRAMMER FUNCTIONAL SETTINGS

**F11 = ON** If the safety sensor is installed on E.C.1  
**F12 = ON** If the safety sensor is installed on E.C.2  
**F15 = ON** Closing safety sensor test enabled  
**F17 = OFF** LOW level test

For information about the adjustments and the other sensor functional settings, please refer to the instructions supplied with the OA-AXIS T sensor.

### 25.2) OAM-DUAL T SENSOR

Application as activation and closing safety sensor

OAM-DUAL T SENSOR WIRING			EUROSLIDER OPERATOR LOGIC2 TERMINAL BOARD	
Correspondence between the sensor cables and the terminal board of the EUROSLIDER operator LOGIC2 control				
1. WHITE	(+)	Power supply	TERMINAL 17	(+)
2. BROWN	(-)	Power supply	TERMINAL 18	(-)
3. GREEN	N.A.	(activation)	TERMINAL 8	(Internal radar) or 9 (External radar)
4. YELLOW	COM		TERMINAL 7	COM
5. PINK +	Opto NPN (sensor 1 safety)		TERMINAL 6	E.C.1 Closing safety sensor 1
PINK +	Opto NPN (sensor 2 safety)		TERMINAL	E.C.2 Closing safety sensor 2
6. BLUE -	COM	(sensor 1 safety)	TERMINAL 7	COM
BLUE -	COM	(sensor 2 safety)	TERMINAL	GND COM
7. RED	(+)	Test	TERMINAL 16	TEST (+)
8. BLACK	(-)	Test	TERMINAL 18	(-)

#### OAM-DUAL T DIP SWITCH SETTINGS

**DIP 7 = OFF** Output High  
**DIP 8 = ON** Test input Low  
**DIP 14 = OFF** Self-monitoring enabled  
**DIP 3 = ON, DIP 4 = OFF**, Presence detection timer 60 sec.

#### S12 PROGRAMMER FUNCTIONAL SETTINGS

**F11 = ON** If the safety sensor is installed on E.C.1  
**F12 = ON** If the safety sensor is installed on E.C.2  
**F15 = ON** Closing safety sensor test enabled  
**F17 = OFF** LOW level test

For information about the adjustments and the other sensor functional settings, please refer to the instructions supplied with the OAM-DUAL T sensor.



### 25.3) OA-PRESENCE T SENSOR Application as opening side safety sensor

OA-PRESENCE T SENSOR WIRING			EUROSLIDER OPERATOR LOGIC2 TERMINAL BOARD	
Correspondence between the sensor cables and the terminal board of the EUROSLIDER operator LOGIC2 control				
1. RED	(+)	Power supply	TERMINAL 17 (+)	
2. GREEN	(-)	Power supply	TERMINAL 18 (-)	
3. BLUE	Opto NPN (sensor 1 safety)		TERMINAL 13	E.O.1 Opening safety sensor 1
+ BLUE +	Opto NPN (sensor 2 safety)		TERMINAL	E.O.1 Opening safety sensor 2
4. WHIT	COM (sensor 1 safety)		TERMINAL 11 COM	
E - WHITE	COM (sensor 2 safety)		TERMINAL GND COM	
7. BROWN	(+)	Test	TERMINAL 16 TEST (+)	
8. ORANGE	(-)	Test	TERMINAL 18 (-)	

#### OA-PRESENCE T DIP SWITCH SETTINGS

**DIP 10 = ON** Test input Low

For information about the adjustments and the other sensor functional settings, please refer to the instructions supplied with the OA-PRESENCE T sensor.

#### S12 PROGRAMMER FUNCTIONAL SETTINGS

**F13 = ON** If the safety sensor is installed on E.O.1  
**F14 = ON** If the safety sensor is installed on E.O.2  
**F16 = ON** Opening safety sensor test enabled  
**F17 = OFF** LOW level test

The safety sensor operation test is carried out at the beginning of each door opening and closing cycle. Should the sensor fail to properly respond to the test request by the operator control unit, the control unit buzzer will beep and the leaf motion speed will be slow throughout the entire stroke.

The GONG function is a entry warning triggered by the activation of the closing safety sensor (that is the sensor connected to the E.C.1 terminal, or to the E.C.2 terminal) while the automatic door is being crossed.  
To enable the GONG operation set the F39 function to ON on the S12 digital programmer and insert the UR1 module into the J7 (OUT3) connector of the LOGIC2 control unit.

**LOGIC CONTROL UNIT**

**BATTERY CHARGER**

**F39 on S12 programmer**

ON	GONGFUNCTION ON
OFF	GONGFUNCTION OFF

**P19 on S12 programmer**

Waiting time between 2 consecutive door crossing warning GONGS.  
 00% = GONG disabled;  
 01% = immediate  
 02% to 100% = 1 second to 4 minutes.

- Use the UR1 module (please refer to paragraph 24) and insert it into the J7-OUT 3 connector of the LOGIC2 control unit.
- Select the N.O contact between terminals 1-2 of the UR1 module by means of jumper J1.
- Connect the entry warning buzzer (GONG) by connecting the power supply to the voltage-free contact at terminals 1-2 of the UR1 module. The diagram above illustrates the electrical connection in the case a 12Vdc supply is used, by taking the power supply directly from terminals 17-18 of the LOGIC2 control unit.
- To activate the GONG function use the S12 digital programmer and set function **F39** to **ON**; at this point each time that the safety sensors are operated when closing the door the GONG will sound for 2 seconds.
- To change the waiting time elapsing from when the GONG buzzer is activated to the next time it is activated, engaging the closing safety sensors, act on the **P19** parameter on the S12 digital programmer.  
This waiting time is used to prevent the buzzer from sounding continuously in the case of the passage of a high number of people. This time is reset when the door is completely closed.  
The table below provides some information about the waiting times according to the set value of P19.

f) Now the GONG function is definitely ON.  
By crossing the automatic door and by engaging the closing safety sensors the audible indication of the GONG will sound for 2 seconds; the GONG will then be inhibited for the waiting time set previously with P19.  
Once the waiting time has expired, the GONG will be activated again for 2 seconds if the door is crossed, engaging the closing safety sensors.

**WARNING:**  
If the interlocking function is used (F26 ON), the gong function will be automatically set to OFF.

## 27) EN/RF1 RADIO RECEIVER

### 1 - GENERAL INFORMATION

The EN/RF1 single-channel receiver is a 433.92 MHz radio receiver designed to open the Euroslider automatic door using the SPYCO transmitters manufactured by Premis.

### 2 - USE

The EN/RF1 receiver must be coupled to the J9 connector of the LOGIC2 electronic control unit and it is prearranged to control the opening of the automatic door in all the automation work programs.

The automatic door opening control is given by the SPYCO radio-control, while the protection and safety of the door movement are ensured by devices outside the receiver itself.

It shall never be used in any case where the door activation or deactivation may cause injuries and damage.

*Class 3 receiver in compliance with the ETSI EN 300-220-1 V.2.1.1 (2006-04) standards, chapter 4.1.1.*

### 3 - INSTALLATION OF THE RECEIVER

Couple the EN/RF1 receiver (fig. 1) to the J9 connector of the electronic control unit LOGIC2 (fig.2).

Proceed with saving the SPYCO radio-controls (fig.3) as follows:

- Enter the programming mode of the SPYCO transmitters pressing and holding the SW1 button until the L1 led is steadily lit (approx. 3 seconds).
- Press the button of the SPYCO transmitter to be saved and the successful saving will be indicated by 5 fast flashings of the L1 led.
- Afterwards, the L1 led will be steadily lit again and it will be possible to save another transmitter by repeating the described operation from step b) and so on with all the transmitters to be used.

#### NOTE:

- Should the button of an already saved transmitter be pressed during the programming phase, the L1 led of the receiver will blink slowly for 5 times.

#### MEMORY FULL

- A maximum of 250 transmitters can be saved on the receiver.  
When the last memory cell available (ZC1) is reached, the L1 led will blink slowly for 5 times.
- Once the transmitter saving procedure is finished, exit the programming mode by pressing and holding the SW1 button until the L1 led turns off ( o ).

### 4 - USE OF THE RADIO-CONTROL

By pressing the button of a saved SPYCO transmitter, the automatic door opens and the L1 led of the receiver will remain on until the button of the transmitter is released.

The radio-control opens the door in all the automation work programs.

### 5 - CANCELLATION OF THE MEMORY OF THE RECEIVER

Should it be necessary to cancel all the saved transmitter codes from the memory of the EN/RF1 receiver, proceed as follows:

- Extract the EN/RF1 receiver from the connector of the LOGIC2 control unit.
- Keep the receiver SW1 button pressed and then couple again the EN/RF1 receiver to the J9 connector of the LOGIC2 control unit.
- Release the EN/RF1 receiver SW1 button only when the L1 led of the receiver starts blinking.
- The L1 led will be blinking very fast for approx. 8 seconds, thus indicating the cancellation of the memory of the receiver.
- When the cancellation of the memory of the EN/RF1 receiver is finished, the L1 led will turn off.
- At this point, it is possible to save again the code of the transmitters to be used, following the procedure described in paragraph 3.

### 6 - TECHNICAL SPECIFICATIONS

Power supply	12Vdc
Absorption	10mA stand-by - 50mA in operation
Outputs	OPEN COLLECTOR
Frequency	433.92 Mhz
Memory capacity	250 users
Range without obstacles	30 meters
Operating temperature	-20° / +55°
Receiver class (ETSI EN 300-220-1 Chapter 4.1.1)	Class 3

### 7 - DECLARATIONS

Marketing, sale and use are valid without restrictions in all EU countries.

With this document Premis SpA declares that the EN-RF1 receiver complies with all the essential requirements and with all other relevant dispositions established by 1999/5/EC directive.

The declaration of conformity is annexed to the EN/RF1 receiver instructions.

#### LED MEANING

	<b>LED OFF</b>
	<b>LED ON</b>
	<b>LED BLINKING SLOW</b> full memory or transmitter already saved -
	<b>LED BLINKING FAST</b> transmitter saving -
	<b>LED BLINKING VERY FAST</b> memory deletion -

FIG. 1

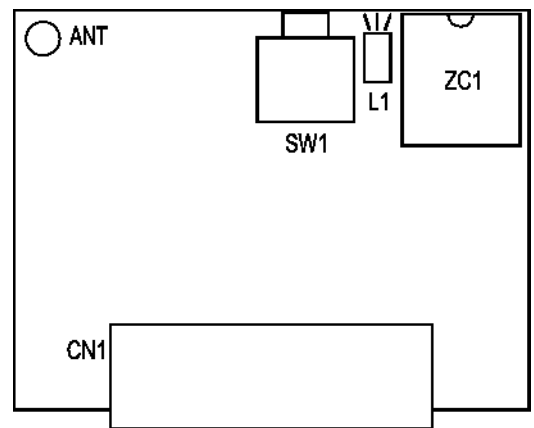


FIG.3

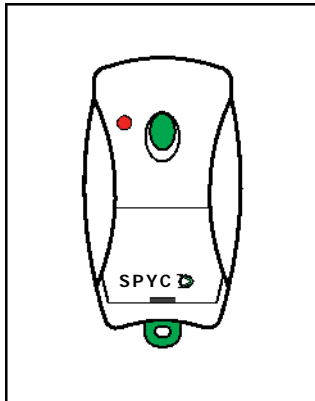
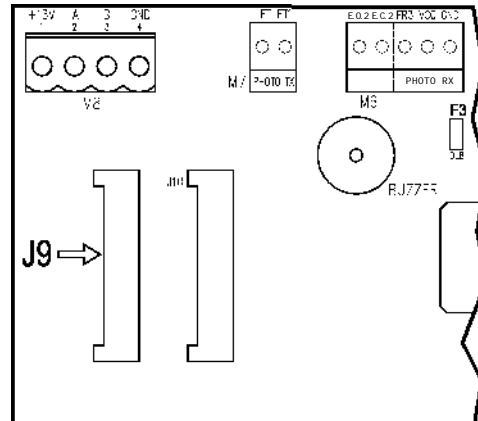


FIG.2



## 28) FORCED CLOSING FUNCTION

To enable the "Forced closing" operation, set the F22 function to ON.

When a N.C. contact is connected to the Stop/Interlock input (terminals 11-14), it allows to forcibly close the door at slow speed after the device activation.

During this closing operation all control and safety inputs are disabled.

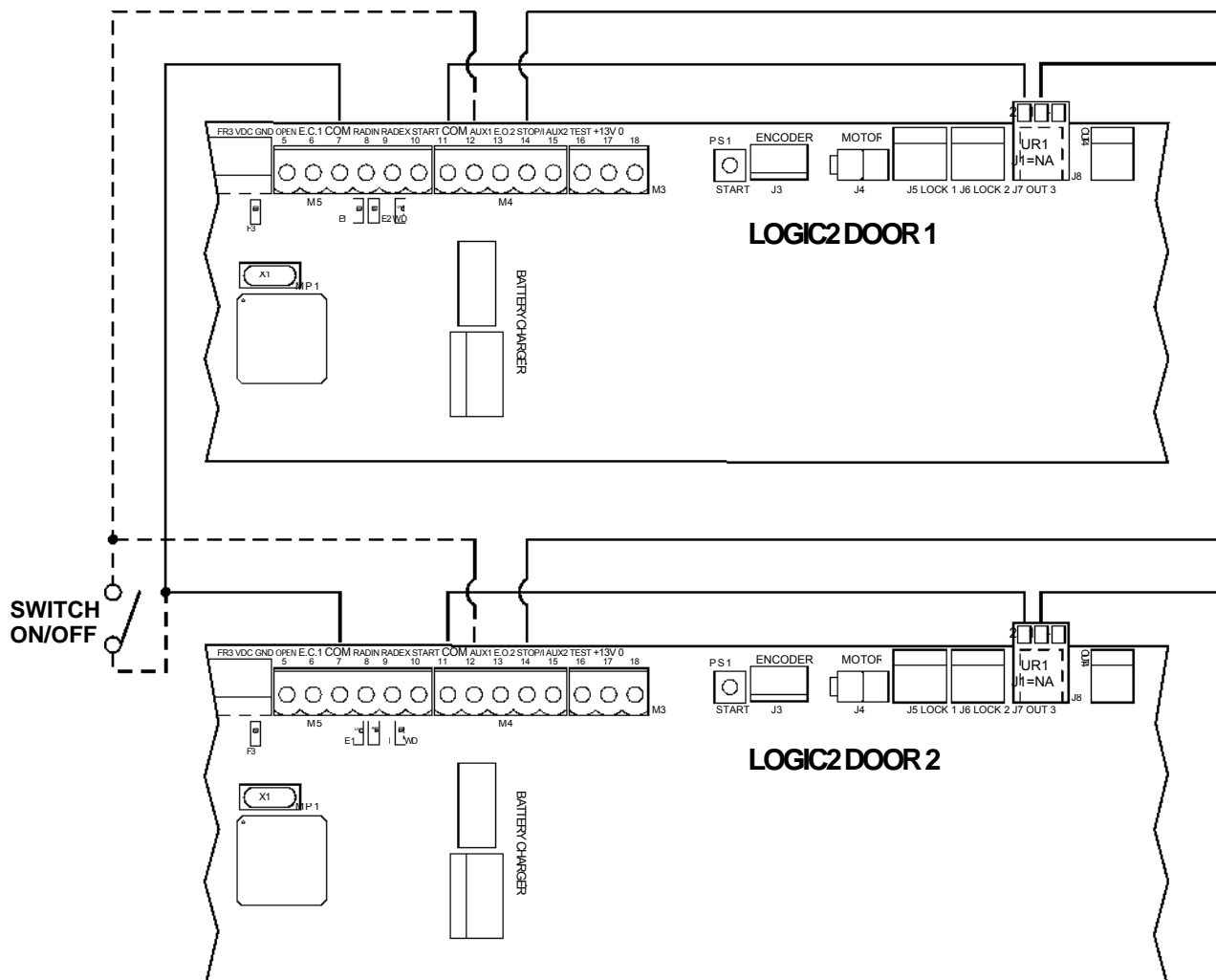
Should the forced closing device still be active once the door is closed, the only way to open the door will be using a held command on the OPEN input (manned mode).

## 29) INTERLOCK SYSTEM

The interlock system is used to connect two automatic doors when a door can only open if the other is closed.

For the electrical connection between the LOGIC2 control units of the two operators you need to use a UR1 module (optional) for each control unit. Plug the UR1 module into the J7-OUT3 connector of the LOGIC2 control unit.

### 29.1) ELECTRICAL CONNECTION FOR INTERLOCK



The dotted line of the ON/OFF switch connected to the AUX/1 input is used to disable the interlock operation (connection not essential for the system operation).

Switch OFF (contact open): interlock ON

Switch ON (contact closed): interlock OFF.

The above diagram shows the electrical connection between the two doors ensuring that they are interlocked during operation.

- Terminal 11 (COM) of control unit 1 must be connected to terminal 2 of its own UR1 module.
- Terminal 1 of the UR1 module of control unit 1 must be connected to terminal 14 (STOP/I) of control unit 2.
- Terminal 11 (COM) of control unit 2 must be connected to terminal 2 of its own UR1 module.
- Terminal 1 of the UR1 module of control unit 2 must be connected to terminal 14 (STOP/I) of control unit 1.
- Terminals 7 (COM) of both control units must be connected to each other.

If you wish to by-pass the interlock operation and allow the two doors to operate independently, you need to connect an ON / OFF switch in parallel between terminals 12 (AUX1) and 7 (Common) of both operator control units.

This way when the switch contact is open the interlock is enabled, while when the switch contact is closed the interlock is disabled and the two automatic doors can operate independently.

To enable interlocked operation you need to install the S12 digital programmer as program selector.  
You cannot use the EV-MSEL mechanical key selector.



## 29.2) INTERLOCK APPLICATION WITH INDEPENDENT INTERNAL DETECTORS

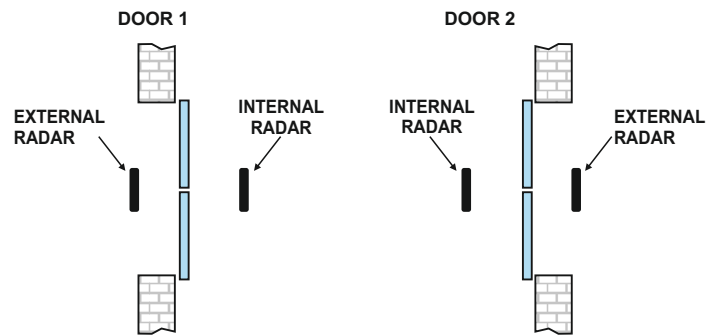
The internal radars of each door are used independently when the distance between the two doors is such that there are no interferences in the detection field of the two internal radars.

- Set the **F26** function to **ON** on both door operators.
- Select which of the two doors must open first in case of simultaneous command on both:

**F27 = OFF**: door opening 0.5 seconds after the command is issued.

**F27 = ON** : door opening immediately after the command is issued.

Decide which of the doors must have opening priority and on it set F27 = ON; on the other door set F27 = OFF.



- Choose if you want or don't want to store in memory the opening command on the internal radar of the second door while the first door is still moving.
- F28 = OFF**: opening command storage disabled.  
To open the second door the radar must be activated when the first door has closed back.
- F28 = ON**: opening command storage enabled.  
To open the second door the radar can be activated even when the first door is still moving; the second one will open automatically as soon as the first one has completed the closing procedure.
- If you wish the second door to open automatically after a preset time if its radar is detecting a presence, even though the first door has not closed back yet, set the P22 parameters.
- P22 = 0%** : the function is disabled and the second door opens only after the first one has closed back.
- P22 = 01%** : the second door opens 10 seconds after the opening of the first one if its radar is engaged.
- P22 = 100%** : the second door opens 2 minutes after the opening of the first one if its radar is engaged.

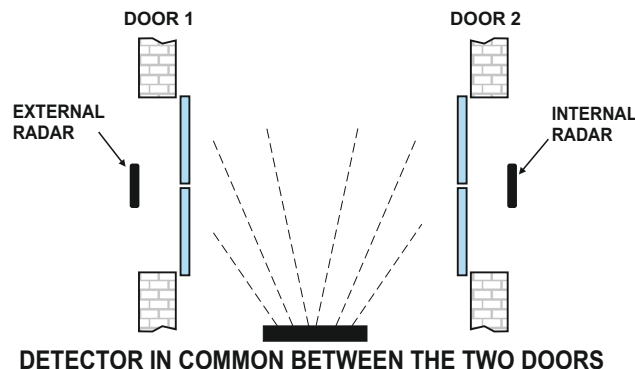
The interlock operation includes the following steps:

- the person approaching from the outside activates the external radar of door 1 and door 1 opens;
- the person enters the internal area between the two doors;
- door 1 closes back after the pause time;
- the door must activate the internal radar of the second door to get door 2 to open;
- door 2 opens when door 1 has closed back;
- the person enters through door 2 and it closes back at the end of the pause time.

Operation when the person approaches from the opposite direction is the same.

To open the door even when the other is open the OPEN input control must be operated.

## 29.3) INTERLOCK APPLICATION WITH A SINGLE INTERNAL DETECTOR



The use of a single internal detector, connected in parallel to the Start input of the LOGIC2 control units of both door operators, is required when the inner distance between the two doors doesn't allow to use two independent radars.

- Set the **F26** function to **ON** on both door operators.
  - Select which of the two doors must open first in case of simultaneous command on both:
- F27 = OFF**: door opening 0.5 seconds after the command is issued.
- F27 = ON** : door opening immediately after the command is issued.
- Decide which of the doors must have opening priority and on it set F27 = ON, on the other door set F27 = OFF.

The interlock operation includes the following steps:

- the person approaching from the outside activates the external radar of door 1 and door 1 opens;
- the person enters the inner area between the two doors and engages the internal detector in common between the two doors;
- door 1 closes back after the pause time (detection on the Start input of door 1 is disabled during the pause time, throughout the closing procedure and for 5 seconds after the door has closed).
- door 2 opens when door 1 has closed back if the internal detector on the Start input is active;
- the person enters through door 2 and it closes back at the end of the pause time.

Operation when the person approaches from the opposite direction is the same.

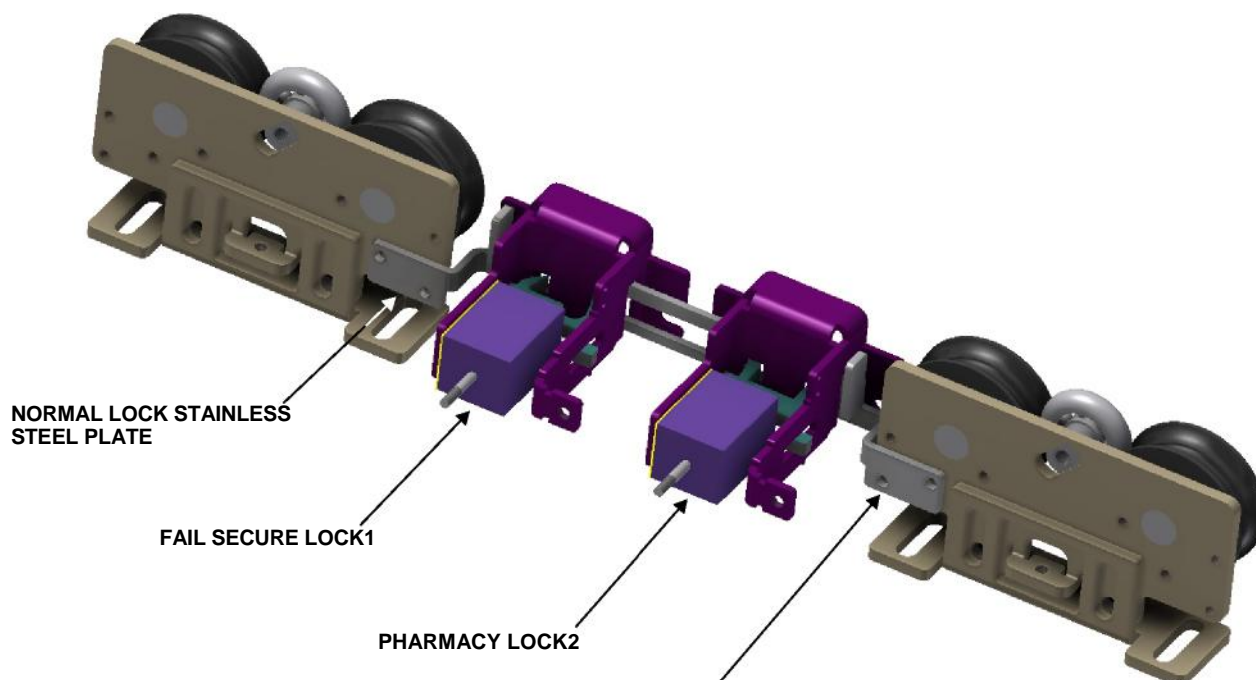
To open the door even when the other is open the OPEN input control must be operated.

### 30) CHEMIST'S FUNCTION

On the Euoslade operator you can install a dedicated second electric lock, for the chemist's opening; it is an electric lock version specially designed for the chemist's function.

This type of electric lock must be connected to the LOCK 2 output (J6 connector) of the LOGIC2 control unit, and only works if the control unit is configured with the F03 function set to ON (Fail secure type electric lock) and with the F04 function set to ON (chemist's function enabled).

The figure below shows the location of the two electric locks inside the Euoslade operator; the chemist's electric lock kit includes the installation instructions.



**PHARMACY LOCK STAINLESS  
STEEL PLATE**

To activate the chemist's function you must press the F2 button on the digital programmer S12 from the main screen of the work program (F2 on).

Whenever an opening command is issued the door will only open by a few centimetres; the chemist's opening distance is set through the P23 parameter on the S12 programmer and must not exceed the length of the slot existing in the chemist's electric lock bracket.

When the door is open, the leaf cannot be further opened manually because the Lock 2 chemist's electric lock prevents the leaf from moving. To disable the chemist's function and allow the door to fully open press the F2 button again on the S12 digital programmer (F2 off).

### 31) MEANING OF BUZZER WARNING SIGNALS

The LOGIC2 control unit of the operator is equipped with a buzzer emitting a set of warning signals, whose meaning varies according to the number of emitted beeps and to the signal duration.

WARNING SIGNAL (BEEP)	MEANING
8 short and fast BEEPS	Operator not set-up when powered.
3 short BEEPS	Self-diagnosis failure on the PRJ38 F3 photocell.
4 BEEPS	Intervention on the PRJ38 F3 photocell.
4 short BEEPS	Set-up cycle initial phase starting warning.
Prolonged sound (3 seconds)	Initial set-up completion indication.
Prolonged and intermittent sound (during motion)	The power limit the operator can supply to the motor is exceeded while the leaf is in motion. This warning activates if the F33 function is set to OFF. To disable this warning set F33 to ON.
1 BEEPS	After powering the operator (already started up before).
5 BEEPS	Encoder disconnected or not working Motor disconnected or not working
1 BEEP (before the opening)	Failed opening safety sensor test.
1 BEEP (before the opening)	Battery failure or low battery charge warning.
2 BEEPS (when the door is open)	Failed closing safety sensor test.
1 prolonged BEEP (1")	Detection of an internal system failure.

### 32) MAINTENANCE PROGRAM

To ensure that the automatic door keeps running safely along time, we recommend to carry out the maintenance operations once every 6 months.

The installer can set the number of opening/closing cycles after which the "SCHEDULED MAINTENANCE" message will appear on the display of the S12 digital programmer (P33 parameter).

#### **Warning!**

**Before performing any operation on the automated equipment cut off the mains power supply.**

- Check that all screws are tight.
- Check the belt's tension.
- Clean the carriage sliding rail and the ground sliding guide.
- Check that carriages and leaves are properly aligned and that the door's final ledge is in correct position.
- Check that the electric lock - if any - is properly fastened and that the mechanical release device operates properly.
- Check connections and electric cables
- Check leaf stability and make sure that they move smoothly and frictionless along the whole stroke.
- Check that motion speeds, involved forces and installed safety devices are working appropriately.
- Clean sensors and check that presence detectors activate properly.

Once maintenance is completed reset the partial cycle counter and the event memory (see paragraph 23 "MAINTENANCE").

#### **Warning!**

any potentially damaged or worn component must be replaced.

Make use only of original spare parts; for this purpose check ADSF UK price list [www.adsf.co.uk](http://www.adsf.co.uk)

## MAINTENANCE PROGRAM

### Premis Euroslide Operator

Maintenance program for sliding door Premis Euroslide.

Each 6 month:

**Warning!**

Before work on the operator cut main power line.

- Check that all securing screws are well tightened.
- Clean and lubricate moving and sliding components.
- Lubricate closing spring if present.
- Check wiring connections.
- Check that arm connection screw are well tightened.
- Check that the door wing is stable and that the movement is fluent and with no friction from "door open" position up to "door closed" position.
- Check the condition of the hinges and lubricate it.
- Check that speeds, timing, and safety functions are well adjust.
- Check that safety and activation sensor are properly functioning.

**Warning!**

Any part that appear damaged or worn must be changed.

Make use only of original spare parts; for this purpose check price list.

Check that the doors are compliant to BS EN16005



# NBS Specification

## Premis Euroslide single sliding door system

The Premis System operator can be adapted to the needs of each installation. It is prepared for heavy traffic, both in large (supermarkets, hotels, airports, hospitals...) and in small and medium buildings (offices, chemist's, restaurants, points of sale in general...). Its most important features are its silent movement when opening and closing, dynamic stability and its quick and easy installation.

All equipment is designed to meet the rigorous safety requirements of BS 7036:1996 and EN16005 installed by Automatic Door Suppliers Association (ADSA). accredited engineers

## Standard details for Premis Euroslide single sliding door system

- Supplier ADSF UK LTD
- Product reference Premis Euroslide Model
- Door configuration Single sliding no fixed panel  
Single sliding one fixed panel
- Drive operation Standard
- Door leaf width 700mm - 3000mm
- Door height 2000mm - 3000mm
- Finish Anodised silver  
Polyester powder coated standard BS colours  
Polyester powder coated standard RAL colours
- Glazing As standard  
Double glazed - available on request
- Control Digital Selector or Key switch
- Safety & security Intelligent self learning movement and presence sensors across door threshold  
Rear edge presence sensors for back of door safety  
Monitored battery backup (provides up to 30 minutes operation in the event of a mains power failure)

MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					



# NBS Specification

## Premis Euroslide Bi Part sliding door system

The Premis System operator can be adapted to the needs of each installation. It is prepared for heavy traffic, both in large (supermarkets, hotels, airports, hospitals...) and in small and medium buildings (offices, chemist's, restaurants, points of sale in general...). Its most important features are its silent movement when opening and closing, dynamic stability and its quick and easy installation.

All equipment is designed to meet the rigorous safety requirements of BS 7036:1996 and EN16005 installed by Automatic Door Suppliers Association (ADSA).accredited engineers

## Standard details for Premis Euroslide Bi Part sliding door system

- Supplier ADSF UK LTD
- Product reference Premis Euroslide Model
- Door configuration Bi-parting, no fixed panels  
Bi-parting, two fixed panels
- Drive operation Standard
- Door leaf width 700mm - 1500mm
- Door height 2000mm - 3000mm
- Finish Anodised silver  
Polyester powder coated standard BS colours  
Polyester powder coated standard RAL colours
- Glazing As standard  
Double glazed - available on request
- Control Digital Selector or Key switch
- Safety & security Intelligent self learning movement and presence sensors across door threshold  
Rear edge presence sensors for back of door safety  
Monitored battery backup (provides up to 30 minutes operation in the event of a mains power failure)

MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					



## NBS specification

### Premis Euroslide Telescopic 2 wing sliding door system

Especially suitable for small spaces where a reasonable opening width is required and there is insufficient space to install a sliding door leaving the desired gap. The two-leaf doors are recommendable for shops, interior doors in corridors, offices, etc. The four-leaf doors provide very wide access and are normally fitted in car showrooms, shops, hotels, etc.

### Standard details for Premis Euroslide Telescopic 2 wing sliding door system

- Supplier ADSF UK LTD
- Product reference Telescopic 2 wing sliding door system
- Door configuration Single telescopic slide, no fixed panels  
Single telescopic slide, fixed panels
- Drive operation Standard
- Door leaf width 450mm - 2000mm
- Door height 2000mm - 3000mm
- Finish Anodised silver  
Polyester powder coated standard BS colours  
Polyester powder coated standard RAL colours
- Glazing As standard  
Double glazed - available on request
- Control: Digital Selector. Key Switch
- Safety & security Intelligent self learning movement and presence sensors across door threshold  
Rear edge presence sensors for back of door safety  
Monitored battery backup (provides up to 30 minutes operation in the event of a mains power failure)

MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					

## NBS specification

### Premis Euroslide Telescopic 4 wing sliding door system

Especially suitable for small spaces where a reasonable opening width is required and there is insufficient space to install a sliding door leaving the desired gap. The two-leaf doors are recommendable for shops, interior doors in corridors, offices, etc. The four-leaf doors provide very wide access and are normally fitted in car showrooms, shops, hotels, etc.

### Standard details for Premis Euroslide Telescopic 4 wing sliding door system

- Supplier ADSF UK LTD
- Product reference Telescopic 4 wing sliding door system
- Door configuration Bi Part telescopic slide, no fixed panels  
Bi Part telescopic slide, fixed panels
- Drive operation Standard
- Door leaf width 450mm - 1000mm
- Door height 2000mm - 3000mm
- Finish Anodised silver  
Polyester powder coated standard BS colours  
Polyester powder coated standard RAL colours
- Glazing As standard  
Double glazed - available on request
- Control: Digital Selector. Key Switch
- Safety & security Intelligent self learning movement and presence sensors across door threshold  
Rear edge presence sensors for back of door safety  
Monitored battery backup (provides up to 30 minutes operation in the event of a mains power failure)

MODEL	EURO SD (2 leaves)	EURO SD (1 leaf)	EURO HD (2 leaves)	EURO HD (1leaf)	EURO TS (2 leaves)	EURO TS (4 leaves)
Power Supply	230V ac +/- 10% 50-60Hz					
Power	80W		130W		130W	
Maximum Weight Of Door Wings	90Kg	130Kg	150Kg	200Kg	150Kg	75Kg
Electric Motor	40Vdc with encoder					
Opening Speed	Max. 70 cm/s (per leaf)					
Closing Speed	Max. 60 cm/s (per leaf)					
Pause Time	Max. 20 Sec					
Working Temperature	-15° C ÷ +50°C					
Degree of Protection	IP22					
Power Supply Of External Accessories	13 Vdc					
Transom Dimension	120mm x 150mm				210mm x 120mm	
Transom Length	Max. 6500mm					
Frequency Of Use	Continuous					

## BS7036 Part 2 1996 - Authorized Technician Checklist

Company Name & Address

Installer Name

Site Address

Date

Job No

Door Location

Door Type

General Times (s)

Opening Time

Closing Time

Hold Open Time

Activation Distances (mm)

Straight Approach

Straight Approach

Closing Energies

Check Speed (J)

Max Speed (J)

Entrapment (N)

Drawing-In Protection

Safety Barrier Y/N

Finger Guards Y/N

Safety Devices

Photocells Y/N

Photocell Height (mm)

Presence Sensor

On Door Safety Sensors

Escape System

Break Out Doors Y/N

Break Out Force (N)

Battery Back-Up

Battery Settings (F-O / CONT)

Engineers Notes

Signage Affixed / Left on Site

Technician Name

Technician Signature

Date & Time

## LOG BOOK

Company Name & Address

Installer Name

Site Address

Install Date

Unit ID No

Door Location

Operators Installed

Activation Devices

Sensor

Push Pad

Keyfob

Access Control

Safety Devices

Threshold Sensor

Side Screen Sensor

On Door Sensor

Barriers

Escape System

Break Out Doors Y/N

Break Out Force (N)

Battery Back-Up

Battery Settings (F-O / CONT)

Repair / Maintenance History

Date

Works Carried Out

Name

Signature

## LOG BOOK

[illegible]